

AD-A255 261

AEROSPACE REPORT NO.  
TR-0091(6935-18)-1

(2)

High Resolution Absolute Absorption Cross Sections of  
NO<sub>2</sub> at 295, 573, and 673K at Visible Wavelengths:  
Comprehensive Data Tables

Prepared by

T. C. CORCORAN, E. J. BEITING, and M. O. MITCHELL  
Mechanics and Materials Technology Center  
Technology Operations

30 June 1992

DTIC  
ELECTE  
SEP 18 1992  
S A D

Prepared for

SPACE SYSTEMS DIVISION  
AIR FORCE SYSTEMS COMMAND  
Los Angeles Air Force Base  
P. O. Box 92960  
Los Angeles, CA 90009-2960

Engineering and Technology Group

THE AEROSPACE CORPORATION  
El Segundo, California



APPROVED FOR PUBLIC RELEASE;  
DISTRIBUTION UNLIMITED

92 9 17 020

92-25398



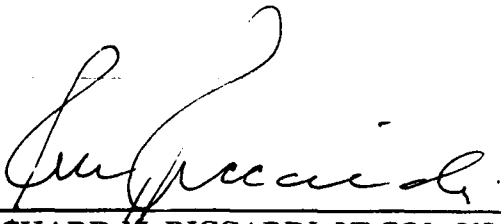
463965 359A



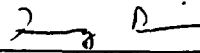
This report was submitted by The Aerospace Corporation, El Segundo, CA 90245-4691, under Contract No. F04701-88-C-0089 with the Space Systems Division, P. O. Box 92960, Los Angeles, CA 90009-2960. It was reviewed and approved for The Aerospace Corporation by R. W. Fillers, Principal Director, Mechanics and Materials Technology Center. Richard M. Riccardi was the project officer for the Mission-Oriented Investigation and Experimentation (MOIE) program.

This report has been reviewed by the Public Affairs Office (PAS) and is releasable to the National Technical Information Service (NTIS). At NTIS, it will be available to the general public, including foreign nationals.

This technical report has been reviewed and is approved for publication. Publication of this report does not constitute Air Force approval of the report's findings or conclusions. It is published only for the exchange and stimulation of ideas.



RICHARD M. RICCARDI, LT COL, USAF, BSC  
Chief, Bioastronautical Engineering



QUANG BUI, Lt, USAF  
MOIE Program Manager



UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE

## REPORT DOCUMENTATION PAGE

1a. REPORT SECURITY CLASSIFICATION <b>Unclassified</b>			1b. RESTRICTIVE MARKINGS		
2a. SECURITY CLASSIFICATION AUTHORITY			3. DISTRIBUTION/AVAILABILITY OF REPORT  Approved for public release; distribution unlimited		
2b. DECLASSIFICATION/DOWNGRADING SCHEDULE					
4. PERFORMING ORGANIZATION REPORT NUMBER(S) <b>TR-0091(6935-18)-1</b>			5. MONITORING ORGANIZATION REPORT NUMBER(S) <b>SSD-TR-92-26</b>		
6a. NAME OF PERFORMING ORGANIZATION <b>The Aerospace Corporation Technology Operations</b>		6b. OFFICE SYMBOL (If applicable)	7a. NAME OF MONITORING ORGANIZATION <b>Space Systems Division</b>		
6c. ADDRESS (City, State, and ZIP Code) <b>El Segundo, CA 90245-4691</b>			7b. ADDRESS (City, State, and ZIP Code) <b>Los Angeles Air Force Base Los Angeles, CA 90009-2960</b>		
8a. NAME OF FUNDING/SPONSORING ORGANIZATION		8b. OFFICE SYMBOL (If applicable)	9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER <b>F04701-88-C-0089</b>		
8c. ADDRESS (City, State, and ZIP Code)			10. SOURCE OF FUNDING NUMBERS		
			PROGRAM ELEMENT NO.	PROJECT NO.	TASK NO.
					WORK UNIT ACCESSION NO.
11. TITLE (Include Security Classification) <b>High Resolution Absolute Absorption Cross Sections of NO<sub>2</sub> at 295, 573, and 673K at Visible Wavelengths: Comprehensive Data Tables</b>					
12. PERSONAL AUTHOR(S) <b>Corcoran, Timothy C., Beiting, Edward J., and Mitchell, Mark O.</b>					
13a. TYPE OF REPORT		13b. TIME COVERED FROM _____ TO _____		14. DATE OF REPORT (Year, Month, Day) <b>30 June 1992</b>	
				15. PAGE COUNT <b>356</b>	
16. SUPPLEMENTARY NOTATION					
17. COSATI CODES			18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)		
FIELD	GROUP	SUB-GROUP			
19. ABSTRACT (Continue on reverse if necessary and identify by block number)					
<p>Absolute absorption cross sections of nitrogen dioxide were measured with a resolution of 0.008 nm in 470-490, 520-534, 588-601, and 603-616 nm spectral regions at temperatures of 295, 573, and 673K. An absolute error of <math>\pm 10\%</math> is due principally to uncertainty in the NO<sub>2</sub> concentration. Absorption cross sections were also measured at these temperatures in the 450-650 nm spectral region with a resolution of 0.075 nm with an error of <math>\pm 10\%</math>. All data were corrected for thermal decomposition of NO<sub>2</sub> at the elevated temperatures. The spectral features show broadening at elevated temperatures consistent with the breakdown of <math>\Delta K</math> selection rules for higher rotational levels.</p>					
20. DISTRIBUTION/AVAILABILITY OF ABSTRACT <input checked="" type="checkbox"/> UNCLASSIFIED/UNLIMITED <input type="checkbox"/> SAME AS RPT. <input type="checkbox"/> DTIC USERS			21. ABSTRACT SECURITY CLASSIFICATION <b>Unclassified</b>		
22a. NAME OF RESPONSIBLE INDIVIDUAL			22b. TELEPHONE (Include Area Code)		22c. OFFICE SYMBOL



## PREFACE

We thank M. W. Hill for assistance in the laboratory during the early stages of this work and Dr. B. B. Brady for useful discussions. This work was sponsored by AFESC/RDVS, Tyndall AFB FL, and AFSSD/SEH. T. C. Corcoran is a National Research Council Postdoctoral Research Associate. Upon request, an IBM PC DOS diskette of this document is available from E. J. Beiting.

Accession For	
NTIS CRA&I	<input checked="checked" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution /	
Availability Codes	
Dist	Avail and/or Special
A-1	

DTIC QUALITY INSPECTED 3



## CONTENTS

PREFACE .....	1
I. INTRODUCTION .....	5
II. EXPERIMENTAL .....	7
III. RESULTS .....	9
IV. DISCUSSION .....	15
V. CONCLUSION .....	17
REFERENCES .....	19

## FIGURES

1. Optical layout for high-resolution absorption measurements .....	7
2. Absolute absorption cross sections at 296K .....	10
3. Absolute absorption cross sections at 673K .....	11
4. Absolute absorption cross sections at 296, 573, and 673K .....	12

## TABLES

1. Low Resolution Absorption Cross Section from 450–650 nm at 296K .....	T1-1
2. Low Resolution Absorption Cross Section from 450–650 nm at 573K .....	T2-1
3. Low Resolution Absorption Cross Section from 450–650 nm at 673K .....	T3-1
4. High Resolution Absorption Cross Section from 470–490 nm at 296K .....	T4-1
5. High Resolution Absorption Cross Section from 470–490 nm at 573K .....	T5-1
6. High Resolution Absorption Cross Section from 470–490 nm at 673K .....	T6-1
7. High Resolution Absorption Cross Section from 520–534 nm at 296K .....	T7-1



## TABLES (cont'd)

8.	High Resolution Absorption Cross Section from 520–534 nm at 573K .....	T8-1
9.	High Resolution Absorption Cross Section from 520–534 nm at 673K .....	T9-1
10.	High Resolution Absorption Cross Section from 588–601 nm at 296K .....	T10-1
11.	High Resolution Absorption Cross Section from 588–601 nm at 573K .....	T11-1
12.	High Resolution Absorption Cross Section from 588–601 nm at 673K .....	T12-1
13.	High Resolution Absorption Cross Section from 603–616 nm at 296K .....	T13-1
14.	High Resolution Absorption Cross Section from 603–616 nm at 573K .....	T14-1
15.	High Resolution Absorption Cross Section from 603–616 nm at 673K .....	T15-1



## I. INTRODUCTION

The measurement of the absorption spectra of nitrogen dioxide has a long and rich history. While the conventional absorption spectrum yielded to rotational analysis over limited ranges,<sup>1-3</sup> more sophisticated techniques such as double resonance, narrow-linewidth laser excitation spectroscopy, and laser-induced fluorescence, often teamed with supersonic jets, have achieved much more success in elucidating the electronic, vibrational, and rotational characteristics of this molecule.<sup>4</sup> Theoretical work has included *ab initio* calculations of potential energy surfaces for several electronic states<sup>5-8</sup> and qualitative modeling of the visible absorption spectrum.<sup>9</sup>

Even with this substantial body of work, the information remains too limited to allow quantitatively accurate computer modeling of NO<sub>2</sub> spectra at room and elevated temperatures. While there exist in the literature some visible absolute absorption cross sections at room temperature and below,<sup>10-12</sup> most are not high resolution, and we found no higher temperature data. This is no doubt due to the difficulties brought about by thermal decomposition of NO<sub>2</sub> above 500K. Demand for this information is increasing as optical diagnostics become the analytical tools of choice in reacting flows, and interest in NO<sub>2</sub> as an atmospheric pollutant becomes acute. This is the immediate motivation of this work. That is, nitrogen dioxide is a common oxidizer in rocket propulsion. Environmentally acceptable incineration of large quantities of this and other waste propellants requires that basic studies of NO<sub>2</sub> reduction in hot turbulent flows be undertaken. Coherent anti-Stokes Raman scattering (CARS) of N<sub>2</sub> and NO will greatly aid in understanding the complex chemistry in this turbulent environment. Application of CARS to this problem requires knowledge of the absorption spectra of NO<sub>2</sub> at elevated temperatures in the five spectral regions in the vicinity of the pump, Stokes, and anti-Stokes radiation of these two diatomic molecules. Structured absorption of the pump and Stokes radiation modify the anti-Stokes radiation in a calculable way if the absorption of NO<sub>2</sub> is known. Additionally, the anti-Stokes radiation subsequently undergoes modification through absorption as it exits the flow.

Multiplex CARS for diagnostics applications in gas flows is most often implemented using the second harmonic of a Nd:YAG laser (at 532 nm) for the pump radiation. For this experimental implementation of CARS, the Stokes and anti-Stokes radiation of N<sub>2</sub> and NO fall within the 603-616, 588-601, 470-490, and 520-534 nm spectral regions, respectively. For this reason, high resolution (0.008 nm) absolute absorption cross sections of NO<sub>2</sub> were measured in these spectral intervals at temperatures of 295, 573, and 673K. Lower resolution (0.15 and 0.075 nm) absolute absorption cross sections were recorded at these temperatures throughout the visible (450-650 nm) spectrum as a consistency check and to validate the accuracy of the kinetic correction at 673K.



## II. EXPERIMENTAL

Nitrogen dioxide (Matheson 99.5%) was stored at room temperature at  $< 200$  torr in a blackened Pyrex bulb with a transparent cold finger. Each time prior to filling the absorption cell, the gas was purified by repetitive freeze-pump-thaw cycles (195–295K) until the crystals were colorless. Initially, purity was only judged visually. A second, more quantifiable method monitored the vapor pressure while pumping. The lowest pressure consistently reached (55 millitorr) was chosen as the standard for purity and always yielded colorless crystals. The gas handling system contained no mercury.

The spectra were taken through a fused-quartz sample cell (30 cm pathlength, 5 cm diameter) that was filled to approximately 2 torr. The pressure was recorded using a capacitance manometer. The cell was placed in the center of a 1-m long windowed furnace, shielded from room light, with its stopcock protruding from the furnace. Elevated temperatures were maintained to  $\pm 0.1$ K, room temperature was  $296 \pm 3$ K.

Absorption spectra were recorded by scanning a Nd:YAG pumped dye laser (Quantel TDL50, 0.003 nm linewidth, pumped at 10 Hz) over the wavelength regions of interest (see Figure 1). Scans were made with the loaded sample cell in the furnace at 295, 573, and 673K; we then evacuated the sample cell in place and scanned the empty cell. This allowed the sample cell and furnace windows to remain undisturbed for a given wavelength region. A data point was taken every 0.005 nm, giving a resolution of  $\sim 0.008$  nm by approximating the convolution of the linewidth and the sample interval as their sum.

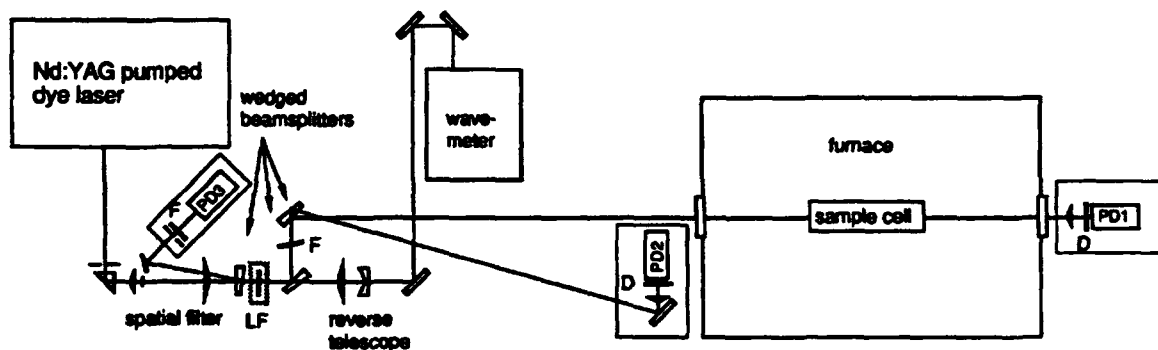


Figure 1. Optical layout for high-resolution absorption measurements. F—neutral density filter, LF—calibrated filters used for the linearity test (removed when actually scanning spectra), D—diffuser, and PD—photodiode.

Each data point was the average of 10 laser shots. The dye laser output was spatially filtered and recollimated to approximately 12 mm in diameter. The light then reflected off an uncoated quartz wedge through a neutral density filter, and then reflected off a second uncoated quartz wedge. Reflections off both surfaces of the latter wedge were used: one was directed through the sample cell to



a detector while the other was sent to a reference detector. Just before each detector, the light was focussed onto a diffuser, behind which the photodiode (EG&G FFD-200) was placed. The detectors were enclosed to shield them from room light. The absorbance of the aforementioned neutral density filter was selected to optimize the dynamic range of the detection electronics while avoiding saturating the detectors. Etalon effects in the optical arrangement were carefully avoided. Since the onset of predissociation in  $\text{NO}_2$  is at  $398 \text{ nm}^1$  and our shortest wavelength recorded was at  $470 \text{ nm}$ , photodissociation was negligible. The peak intensity did not exceed  $10 \text{ W/cm}^2$  in the sample cell, consequently multiphoton absorption was also considered negligible. The laser wavelength (in vacuum) was recorded using a Fizeau wavemeter (Lasermetrics 100F) every 20 data points. The wavemeter readings were calibrated by tuning the dye laser via the optogalvanic effect to six or more unambiguous Ne atomic resonances in each wavelength region.<sup>13</sup>

The photodiode outputs were sampled using boxcar integrators (SRS), digitized and recorded on an LSI 11/73 lab computer. The nonlinearity of both the signal and reference detection channels was evaluated by inserting a series of calibrated ( $\pm 0.1\%$  transmission) neutral density filters in the laser beam prior to the quartz wedges and measuring the detector outputs at a fixed wavelength for 300 laser shots, correcting each shot for laser power fluctuation using a third detector sampling the beam prior to the filters. The deviations from linearity were fit to first- or second-order polynomials, and these values were used to apply slight corrections ( $< 5\%$ ) to the raw data.

Additional lower resolution absorption spectra were recorded using a tungsten lamp and a  $0.64 \text{ m}$  monochromator (Instruments SA HR640). The monochromator slits were set at  $10 \mu\text{m}$  giving  $0.05 \text{ nm}$  linewidth. Wavelength readout was calibrated using Ne and Kr lamps over the  $450\text{--}650 \text{ nm}$  range and corrected to vacuum. Data were recorded at  $0.025 \text{ nm}$  intervals ( $\sim 0.075 \text{ nm}$  resolution); at high temperatures a rapid initial scan was recorded at every  $0.1 \text{ nm}$  as an additional check. For these spectra,  $\text{NO}_2$  thermal decomposition (vide infra) was simultaneously recorded by monitoring the cell absorbance through a blue-green bandpass filter combination (Corning 4-70 and 4-94) on a photodiode while another photodiode monitored the lamp output prior to the sample cell for normalization. Lock-in detection (EG & G 5207; EG & G 5204 on normalization channel) was used for all detectors.



### III. RESULTS

Figures 2-4 and Tables 1-15 show the absorption cross-section data,  $\sigma(\lambda)$ , defined as:

$$\sigma(\lambda) = (1/nl) \ln [I_0(\lambda)/I(\lambda)] \quad (1)$$

where  $n$  is the number of molecules per  $\text{cm}^3$ ,  $l$  is the cell length in cm, and  $I_0(\lambda)$  and  $I(\lambda)$  are the ratio of the signal/reference channel (individually corrected for nonlinearity) of the empty cell and full cell spectra, respectively.

Each high-resolution spectrum was composed of 2-5 individual laser scans, overlapped by 0.5 nm. This allowed us to improve the signal-to-noise ratio near the edges of the laser dye gain curves. These were assembled using wavelength values determined by linear least squares fitting of the wavemeter readings. Readings that resulted from interferometric order errors were rejected. Occasionally a second-order least squares fit was employed to improve the overlap of spectral features between adjacent laser scans. Third-order least squares fits did not improve this. Wavelength values agreed within 0.01 nm. Absorption cross sections were corrected for thermal dissociation of the  $\text{NO}_2$  sample (see below) prior to assembly of the spectra. Sometimes cross sections were offset to give better overlap with the adjacent scan; typically this occurred near the edges of the dye gain curve. The lower resolution monochromator spectra were recorded in a single scan from 450-650 nm.

Absolute absorption cross sections require precise knowledge of the concentration of the species being measured. This became complicated in measuring high temperature cross sections since above 500K, thermal dissociation of  $\text{NO}_2$  becomes noticeable; the dominant reaction at our temperatures is:<sup>14,15</sup>



Consequently, a kinetic correction was developed to account for the change in  $\text{NO}_2$  concentration during the course of the measurement. Decomposition rates were calculated assuming second-order kinetics, i.e.,

$$-d[\text{NO}_2]/dt = k_{\text{obs}}[\text{NO}_2]^2 \quad (3)$$

were measured from 573-723K under our exact operating conditions by fixing the dye laser at the absorption maximum at  $525.543 \pm 0.004$  nm and monitoring the decrease in  $\text{NO}_2$  concentration with time. Dye laser wavelength drift was not significant during the measurements, and our spectra indicate the change in the absorbance cross section with temperature is also negligible at this wavelength. An Arrhenius plot yielded  $k_{\text{obs}}$  ( $\text{cm}^3 \text{ mol}^{-1} \text{ sec}^{-1}$ ) =  $8.3 \times 10^{11} \exp(-13100/T)$ . The standard deviations from the Arrhenius fit gave error limits of  $2.3 \times 10^{11} \exp(-12200/T)$  and  $3.1 \times 10^{12} \exp(-13900/T)$ . The latter expression changes the rate constants at 573 and 673K by only 10% from the



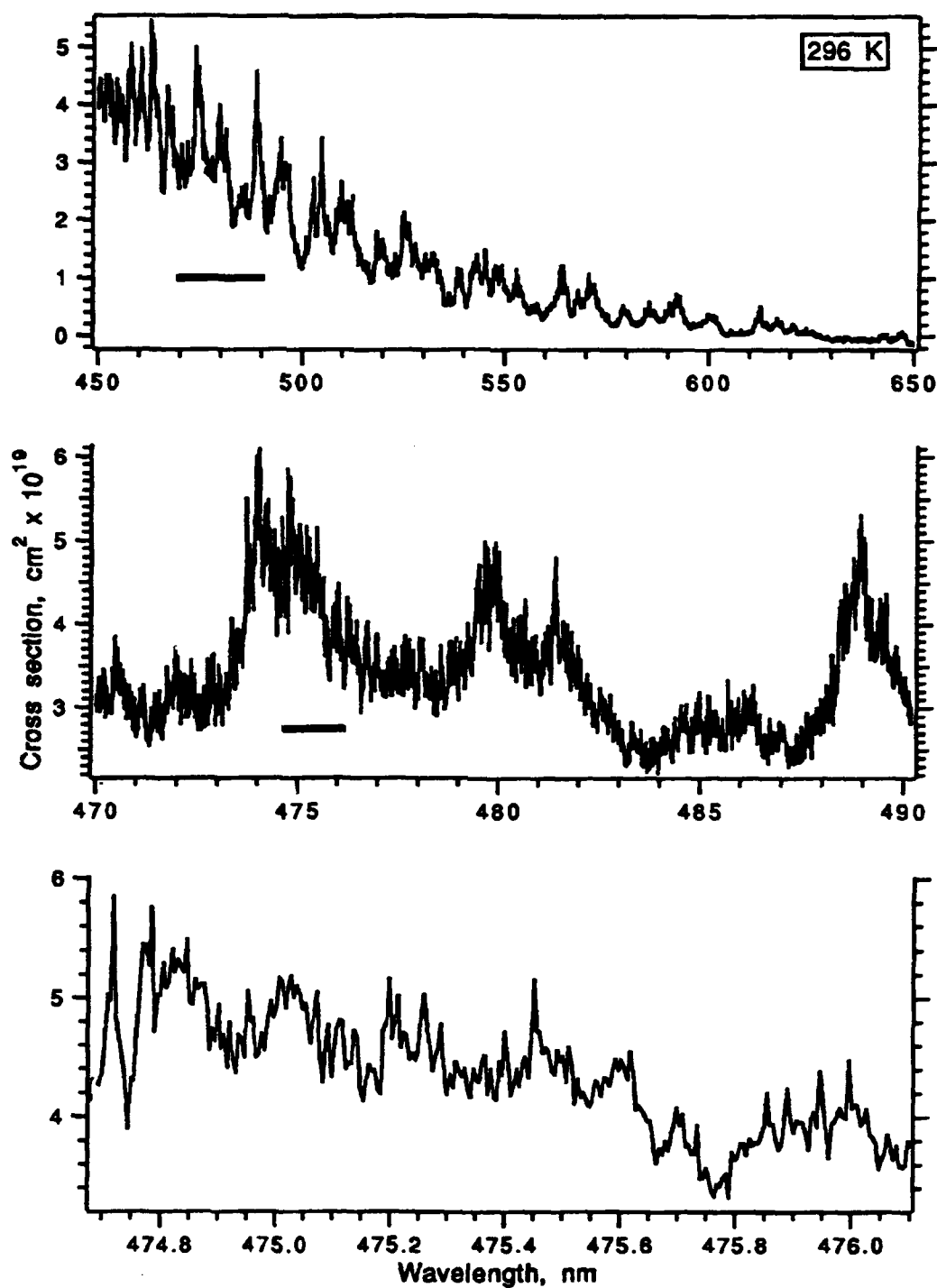


Figure 2. Absolute absorption cross sections at 296K, shown at progressively smaller wavelength intervals. The uppermost spectrum is a 0.075 nm resolution monochromator scan, the middle spectrum is an entire laser scan taken at 0.008 nm resolution. The lowest spectrum is a magnification of one section of the middle spectrum.



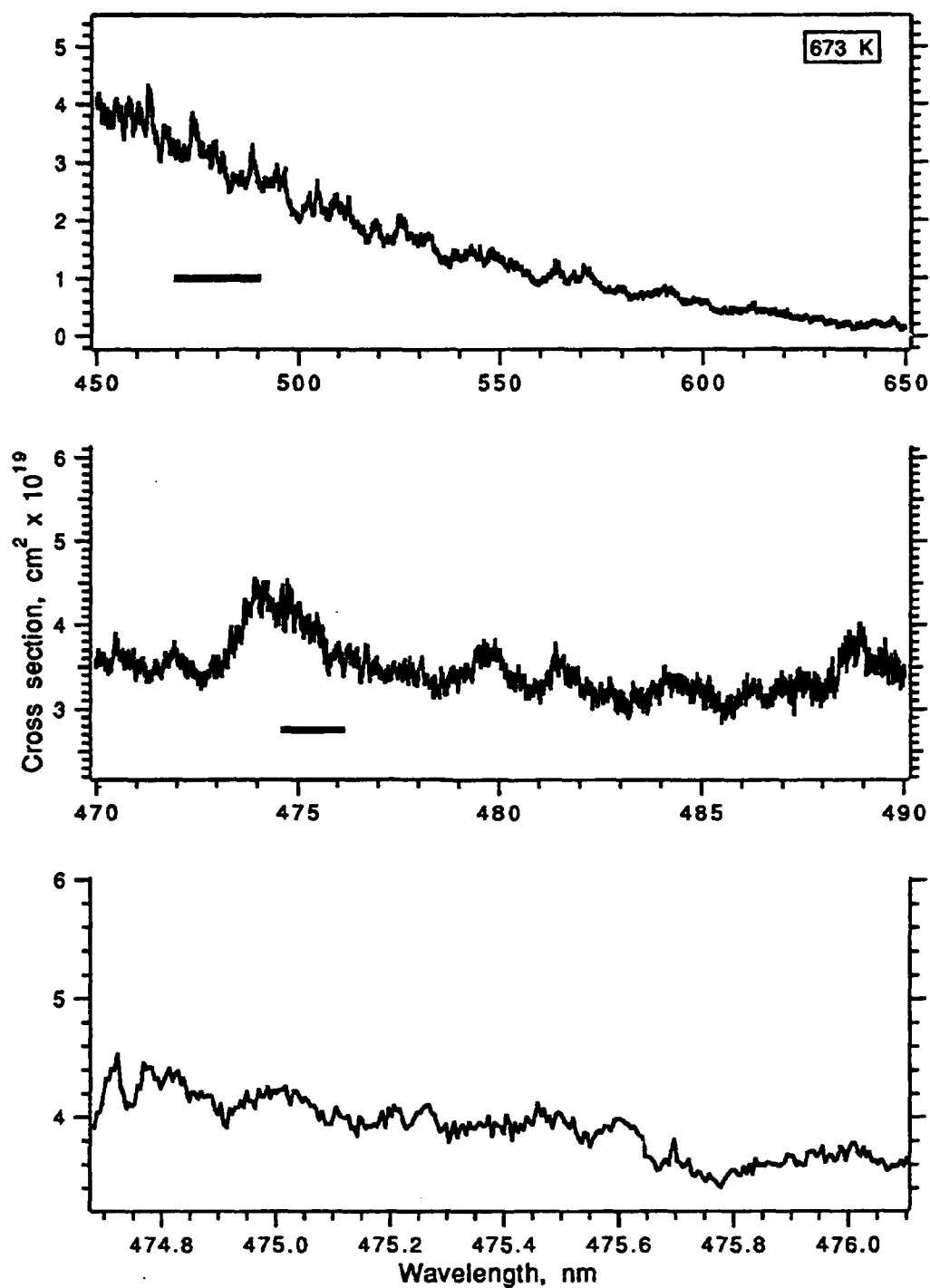


Figure 3. Absolute absorption cross sections at 673K. These data are plotted on the same axes as those in Figure 2, and were recorded at the same resolution. Note the great reduction in sharp features in the spectra.



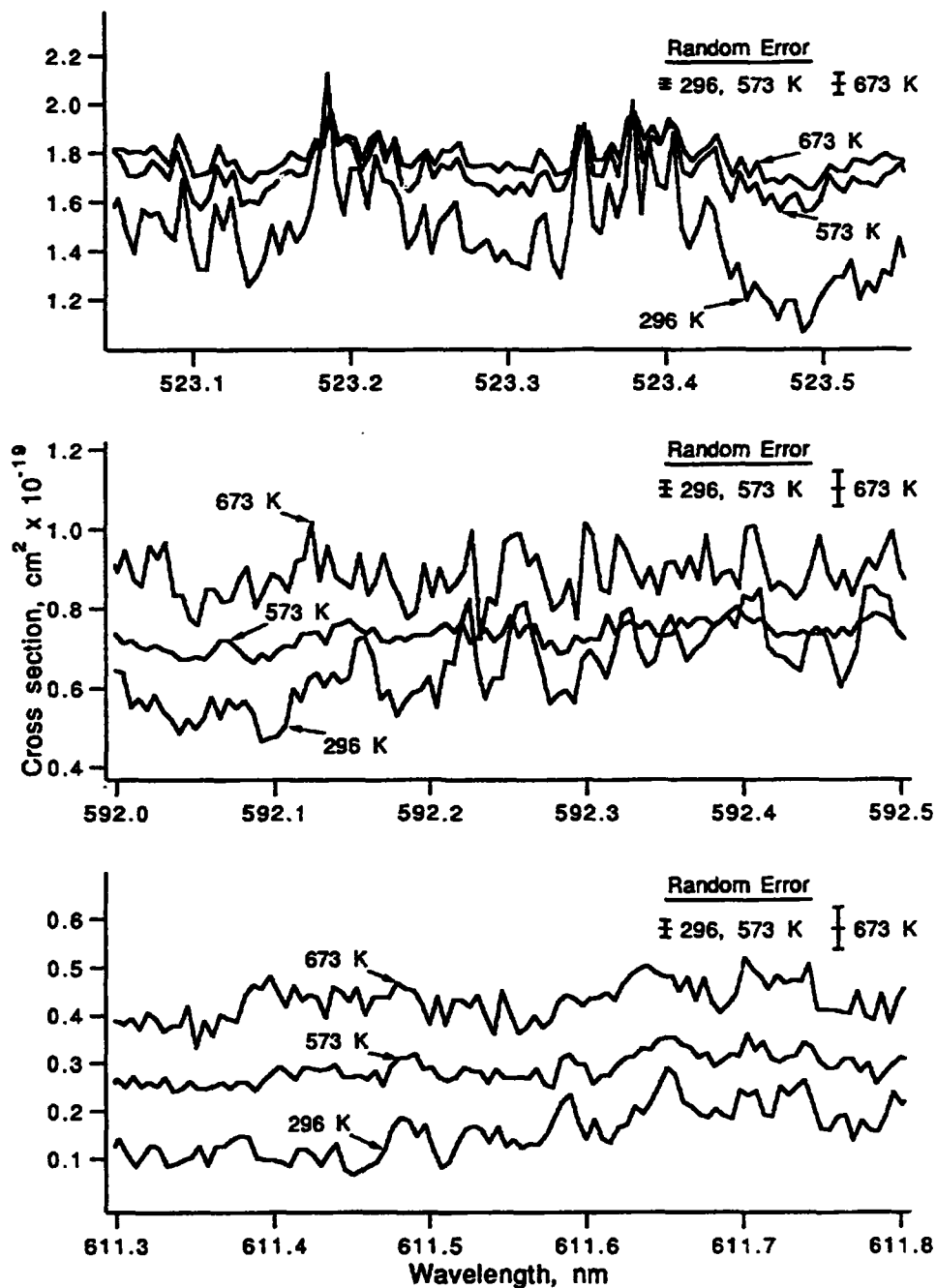


Figure 4. Absolute absorption cross sections at 296, 573, and 673K. These spectra show greatly magnified portions from several wavelength regions, and are only a small fraction of the total data. Error bars due to random noise ( $\pm 1$  standard deviation) are shown. The increase in sharp features at 673K is likely due to increased noise due to low  $\text{NO}_2$  concentrations at these temperatures.



fitted value, and was actually used for the kinetic correction since these rates agreed best with the measured rates at 573 and 673K, where the spectra were recorded. The resulting second-order rates were a factor of 2 lower than those calculated from literature values for reaction (2)<sup>16</sup>. However, our data were recorded at time periods much longer than those in the previous studies (several thousand vs a few hundred seconds) when the reverse reaction of (2) should become apparent, lowering the NO<sub>2</sub> disappearance rate.<sup>17</sup> The precise mechanism could involve other reactions as well; for the purposes of this study, we have confined our interest to the phenomenological disappearance rate of NO<sub>2</sub> only.

Spectra were corrected on a point-by-point basis for the change in NO<sub>2</sub> concentration before and during the scan. At 573K this amounted to a correction of <5%, however, for the 673K data, the sample decomposes to about 1/3 of the original concentration over the course of waiting for the furnace to equilibrate and scanning the laser, and this increases the uncertainty in these measurements. Absorbance cross sections were further corrected for sample decomposition in the time between turning on the furnace and starting the scan. The oven time vs temperature curve upon turn-on and when raising the temperature was also analyzed; rates at each of the intermediate temperatures for every 30-second interval were calculated using the Arrhenius relation, and total change in [NO<sub>2</sub>] was computed. This result then allowed us to approximate the oven turn-on as an abrupt change from the lower to the higher temperature occurring at an *apparent* time a few minutes later than the actual time the furnace was adjusted, compensating for the lower decomposition rate during warm-up. The NO<sub>2</sub> concentration is computed using the integral of the rate expression (3). For the 573 K runs this is:

$$1/[\text{NO}_2(t)] = 1/[\text{NO}_2]_{\text{initial}} + k(573) (t - t_0) \quad (4)$$

where  $k(T)$  is calculated from the Arrhenius relation above,  $t_0$  is the apparent turn-on time, and  $t$  is the time when the data point in question was collected. At 673K this becomes:

$$1/[\text{NO}_2(t)] = 1/[\text{NO}_2]_{\text{initial}} + k(573) (t_0' - t_0) + k(673) (t - t_0') \quad (5)$$

where  $t_0'$  is the apparent time at which the furnace was turned up to 673K and  $(t_0' - t_0)$  is the total time spent at 573K. The room temperature absorbance cross sections were corrected for the small NO<sub>2</sub> depletion due to N<sub>2</sub>O<sub>4</sub> formation; this effect is negligible at elevated temperatures.

The low resolution monochromator scans were very valuable in demonstrating that this kinetic correction did not cause distortions in the spectra. These scans were recorded much faster than the laser scans (5 and 11 minutes vs ~2 hours) and consequently involved smaller kinetic corrections. Also, they used broadband absorption data taken simultaneously with the spectrum to generate the decomposition rate independently of the previous laser-based kinetic measurements. The consistency of the general structure of the cross sections derived from these two different methods provides evidence that the kinetic correction was valid. However, instrumental drifts existed in the detection system for the low-resolution spectra: some data yielded negative cross sections. This was assumed to be due to a slowly changing multiplicative factor in the raw data, and hence was corrected by adding an offset to the cross-section data to maximize agreement with the laser data in the 588–613 nm region,



where the cross-section values are small. This resulted in agreement within 10% of the laser data except in the 528–534 nm region where the disagreement reached 15%.

Absolute absorbance cross sections from different days agreed within  $\pm 10\%$ , primarily from errors in estimating the  $\text{NO}_2$  concentration. The random noise in the individual data sets was  $\pm 0.035 \times 10^{-19} \text{ cm}^2$  (95% confidence limits) at 296 and 573K, and became 2–3 times greater in the 673K spectra due to the decrease in sample absorption. Consequently, the “new” features that appear on the 673K data compared to the 573K data are probably noise. The high resolution spectra in the 603–616 nm region became distorted at the edges of the scan at elevated temperatures; we report absolute absorption cross sections only from 605–613 nm at 573 and 673K.



#### IV. DISCUSSION

We have found few reports of NO<sub>2</sub> absolute cross-section data at these wavelengths after an extensive search of the literature. Hall and Blacet<sup>10</sup> report absorption coefficients for N<sub>2</sub>O<sub>4</sub> and NO<sub>2</sub> at 298K from 250–500 nm at 0.4 nm average resolution. Konefal et al.<sup>11</sup> recorded absorption cross sections for NO<sub>2</sub> from 400–620 nm at 0.3 nm resolution, presumably at room temperature. (Unfortunately, the high resolution compendia of Hsu et al. and Uehara and Sasada<sup>4</sup> give only relative intensity data.) We compared our data to these by first smoothing them to approximate the lower resolution. Our room temperature cross sections in the 470–490 nm region agreed with those of Hall and Blacet within 10%. The data of Konefal et al. are a factor of 2 to 3 less than those presented here. However, the results of Konefal et al. also are a factor of 3 lower than those of Koffend et al.<sup>12</sup> near 400 nm. Although Konefal et al. claim agreement with Tsuji et al.,<sup>18</sup> this agreement is flawed by an internal inconsistency in the latter's work. That is, the values of discrete cross sections reported by Tsuji et al. in their figure are a factor of 3 lower than those they cite in their text. We agree with the values reported in their text. Konefal et al. acknowledge a 300% discrepancy with data reported by Fredriksson et al.<sup>19</sup>

These data are the first high temperature NO<sub>2</sub> absorption cross sections to appear to our knowledge. The coarse features of the low resolution spectra change noticeably with increasing temperature in a reasonable fashion; sharp peaks at 510 nm and to the blue are diminished and valleys to the red of this are filled in. The cross sections of the peaks from 520–650 nm remain approximately the same. While the resolution of our laser spectra is insufficient to fully reveal the room temperature spectrum,<sup>4</sup> the 573K spectra show that much of the finer features observed in the room temperature spectra become indistinct. Since the molecular collision rate (ignoring dissociation) and the Doppler width scale as  $T^{1/2}$  are hence only 1.4 times greater, this congestion must be due primarily to the higher rotational levels being populated at increased temperatures. This situation parallels the results of Keil et al.,<sup>20</sup> who studied the NO<sub>2</sub> fluorescence spectrum with 532 nm excitation at 175, 300, and 365K. They observed a decrease of sharp, banded features and an increase of continuum features as the temperature increased, which they attributed to rotational effects. Several coupling terms between the upper electronic states with the ground state lead to a breakdown in the  $\Delta K = 0$  selection rule for parallel transitions in NO<sub>2</sub> fluorescence; transitions up to  $\Delta K = 6$  have been observed.<sup>21</sup> Keil et al. note that the matrix element for  $\Delta K = 2$  transitions is roughly proportional to the square of the total orbital angular momentum quantum number  $N$ . Consequently, the total number of final rotational states accessed increases dramatically with higher temperature, causing sharper spectral features to spread into broader bands, and finally to coalesce altogether. It is reasonable that the continuum features should come to dominate the spectrum at lower temperatures in fluorescence than in absorption, since fluorescence requires two rovibronic transitions rather than one.



## V. CONCLUSION

We have reported absolute absorbance cross sections at 296, 573, and 673K at 0.075 nm resolution from 450–650 nm and at 0.008 nm resolution within the ranges 470–490, 520–534, 588–599, and 603–616 nm. These regions encompass the pump, Stokes, and anti-Stokes radiation used for NO and N<sub>2</sub> CARS analysis, and will aid in the utilization of this technique in environments containing NO<sub>2</sub>. These are the highest resolution absorbance cross sections reported at these wavelengths, and the first recorded at elevated temperatures.



## REFERENCES

1. A. E. Douglas and K. P. Huber, *Can. J. Phys.* **43**, 74-81 (1965).
2. J. L. Hardwick and J. C. D. Brand, *Chem Phys. Lett.* **21**, 458-461 (1973).
3. J. C. D. Brand, W. H. Chan, and J. L. Harwick, *J. Mol. Spec.* **56**, 309-328 (1975).
4. For a comprehensive review of the enormous variety of spectroscopic studies on NO<sub>2</sub> see D. K. Hsu, D. L. Monts, and R. N. Zare, *Spectral Atlas of Nitrogen Dioxide 5530 to 6480 Å*, Academic Press, New York, 1978; and K. Uehara and H. Sasada, *High Resolution Spectral Atlas of Nitrogen Dioxide 559-597 nm* Springer Series in Chemical Physics, No. 41, Springer-Verlag, Berlin, 1985, and references therein.
5. G. D. Gillespie, A. H. Khan, A. C. Wahl, R. P. Hosteny, and M. Krauss, *J. Chem. Phys.* **63**, 3425-3444 (1975).
6. G. D. Gillespie and A. H. Khan, *J. Chem. Phys.* **65**, 1624-1633 (1976).
7. C. F. Jackels and E. R. Davidson, *J. Chem. Phys.* **64**, 2908-2917 (1976).
8. C. F. Jackels and E. R. Davidson, *J. Chem. Phys.* **65**, 2941-2957 (1976).
9. E. Haller, H. Köppel, and L. S. Cederbaum, *J. Mol. Spec.* **111**, 377-397 (1985).
10. T. C. Hall, Jr. and F. E. Blacet, *J. Chem. Phys.* **20**, 1745-1749 (1952).
11. Z. Konefal, J. Heldt, D. Kondoreska-Olexinska, and S. Zachara, *Archiwum Ochrony Srodowiska* **1**, 19-24, (1979).
12. J. B. Koffend, J. S. Holloway, M. A. Kwok, and R. F. Heidner, *J. Quant. Spectrosc. Radiat. Transfer* **37**, 449-453 (1987).
13. *Massachusetts Institute of Technology Wavelength Tables* (ed. G. H. Harrison) Wiley, New York (1956).
14. P. K. Butt and B. P. Levitt, *J. Chem. Soc. Faraday Trans.1* **69**, 1957-1960 (1973).
15. P. G. Ashmore and M. G. Burnett, *Trans Faraday Soc.* **58**, 253-261 (1962).
16. D. L. Baulsch, D. D. Drysdale, and D. G. Horne, *Evaluated Kinetic Data for High Temperature Reactions, Vol 2*, Butterworth, London, 1973, and references therein.
17. P. G. Ashmore and B. P. Levitt, *Research* **9**, 525-526 (1956).
18. T. Tsuji, H. Kimura, Y. Higuchi, and K. Goto, *Japanese J. App. Phys.* **15**, 1743-1752 (1976).
19. K. Fredriksson, I. Lindgren, K. Nyström, and S. Svanberg, *Field Test of a LIDAR System for the Detection of Atmospheric Pollutants*, Göteborg Institute of Physics, Report 134 (1976).
20. D. G. Keil, V. M. Donnelly, and F. Kaufman, *J. Chem. Phys.* **73**, 1514-1520 (1980).
21. H. D. Bist, J. C. D. Brand, and A. R. Hoy, *Can. J. Phys.* **55**, 1453-1461 (1977).



Table 1. Low Resolution Absorption Cross Section from 450-650 nm at 296K

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
450.192	3.9663	451.241	4.0688	452.291	4.1602	453.340	4.0187
450.217	3.9324	451.266	4.1397	452.316	4.2687	453.365	4.2587
450.242	3.9327	451.291	4.1410	452.341	4.2711	453.390	4.2958
450.267	3.9333	451.316	4.1424	452.366	4.0642	453.415	4.2622
450.292	3.9340	451.341	4.0057	452.391	4.0666	453.440	4.2640
450.317	3.9348	451.366	4.0072	452.416	4.0690	453.465	4.2660
450.342	4.0738	451.391	3.9417	452.441	4.1397	453.490	4.4117
450.367	4.1460	451.416	3.9435	452.466	4.1419	453.515	4.3775
450.392	4.1470	451.441	3.9452	452.491	4.2848	453.540	4.2727
450.417	4.1842	451.466	4.1522	452.516	4.2866	453.565	4.2753
450.442	4.2219	451.491	4.1539	452.541	4.2884	453.590	4.2782
450.467	4.2972	451.516	4.0173	452.566	4.2189	453.615	4.1432
450.492	4.2613	451.541	4.0187	452.591	4.1854	453.640	4.1465
450.517	4.3000	451.566	3.7274	452.615	4.5153	453.665	4.2184
450.542	4.2644	451.591	3.7288	452.641	4.4788	453.690	4.2566
450.567	4.2661	451.616	3.7302	452.665	4.4802	453.715	4.2253
450.592	4.3428	451.641	3.7317	452.690	4.4440	453.740	3.9946
450.617	4.3448	451.666	3.7332	452.715	4.4082	453.765	3.9977
450.642	4.3470	451.691	3.7348	452.740	4.4844	453.790	4.0005
450.667	4.2376	451.716	3.7365	452.765	4.4859	453.815	4.0356
450.692	4.2034	451.741	3.7383	452.790	4.4875	453.840	4.0053
450.717	4.2058	451.766	3.8671	452.815	4.4142	453.865	3.6678
450.742	4.2083	451.791	3.8687	452.840	4.4531	453.890	3.6694
450.767	4.2471	451.816	4.0357	452.865	4.4923	453.915	3.5550
450.792	4.1769	451.841	4.0369	452.890	4.4939	453.940	3.5563
450.816	4.2153	451.866	4.0379	452.915	4.4955	453.965	3.5575
450.841	4.4421	451.891	4.1768	452.940	4.2417	453.990	3.5586
450.866	4.4443	451.916	4.1774	452.965	4.2431	454.015	3.5596
450.891	4.3700	451.941	4.1777	452.990	4.1062	454.040	3.4484
450.916	4.3721	451.966	4.1780	453.015	4.1073	454.065	3.4493
450.941	4.3742	451.991	4.1783	453.040	4.1082	454.090	3.5625
450.966	4.1920	452.016	4.1787	453.065	3.9435	454.115	3.5633
450.991	4.1583	452.041	4.1792	453.090	3.9442	454.140	3.5641
451.016	4.0552	452.066	4.3604	453.115	3.8176	454.165	3.3707
451.041	4.0571	452.091	4.3986	453.140	3.8182	454.190	3.3445
451.066	4.0590	452.116	4.3625	453.165	3.8818	454.215	3.3993
451.091	4.1304	452.141	4.5152	453.190	3.9466	454.240	3.4274
451.116	4.1320	452.166	4.5168	453.215	3.8832	454.265	3.4010
451.141	4.1335	452.191	4.4421	453.240	3.9808	454.290	3.4021
451.166	4.2060	452.216	4.4440	453.265	4.0146	454.315	3.4035
451.191	4.1361	452.241	4.4461	453.290	4.0159	454.339	3.3779
451.216	4.0676	452.266	4.1929	453.315	4.0172	454.364	3.3260



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
454.389	3.3279	455.439	3.8993	456.488	3.6526	457.538	4.3204
454.414	3.4655	455.464	3.9630	456.513	3.6815	457.563	4.3208
454.439	3.4955	455.489	3.9647	456.538	3.6542	457.588	4.3212
454.464	3.4151	455.514	3.8436	456.563	3.5993	457.613	4.5271
454.489	3.4447	455.539	3.8757	456.588	3.6002	457.638	4.5278
454.514	3.4469	455.564	3.8470	456.613	3.4128	457.663	4.5998
454.539	3.5324	455.589	3.9096	456.638	3.4139	457.688	4.6008
454.564	3.5626	455.614	3.9112	456.663	3.4150	457.713	4.6020
454.589	3.5930	455.639	3.7040	456.688	3.2622	457.738	4.5322
454.614	3.5948	455.664	3.7055	456.713	3.2633	457.763	4.5337
454.639	3.5964	455.689	3.7068	456.738	3.0690	457.788	4.5351
454.664	4.0532	455.714	3.7081	456.763	3.0702	457.813	4.5366
454.689	4.0546	455.739	3.7093	456.788	3.0241	457.837	4.5734
454.714	4.3245	455.764	3.7105	456.813	3.0252	457.862	4.4696
454.739	4.3256	455.789	3.7117	456.838	3.0264	457.887	4.4709
454.764	4.3267	455.814	3.7130	456.863	3.0277	457.912	4.5419
454.789	4.4339	455.839	3.7144	456.888	3.0290	457.937	4.5431
454.814	4.3991	455.864	3.7159	456.913	3.0304	457.962	4.5093
454.839	4.3646	455.889	3.7760	456.938	3.0793	457.987	4.6893
454.864	4.3654	455.914	3.7779	456.963	3.0811	458.012	4.6907
454.889	4.2280	455.939	3.8693	456.988	3.0830	458.037	4.8040
454.914	4.2286	455.964	3.8713	457.013	3.0613	458.062	4.8439
454.939	4.2290	455.989	3.9038	457.038	3.0872	458.087	4.8080
454.964	4.3325	456.014	4.1257	457.063	3.1133	458.112	4.6623
454.989	4.2981	456.039	4.1279	457.088	3.1156	458.137	4.7014
455.014	4.0643	456.064	3.8802	457.113	3.3147	458.162	5.0102
455.039	4.0646	456.089	3.8825	457.138	3.2916	458.187	5.0534
455.064	4.0649	456.113	3.8849	457.163	3.2937	458.212	4.7474
455.089	4.0654	456.138	3.9482	457.188	3.3462	458.237	4.7506
455.114	4.0660	456.163	3.9507	457.213	3.3481	458.262	4.7537
455.139	4.1652	456.188	4.0782	457.238	3.4532	458.287	4.5063
455.164	4.1663	456.213	4.0808	457.263	3.4549	458.312	4.5438
455.189	4.1676	456.238	4.1476	457.288	3.4304	458.337	4.2777
455.214	4.2363	456.263	3.9610	457.313	3.4581	458.362	4.2801
455.239	4.2380	456.288	3.9635	457.338	3.4595	458.387	4.2821
455.264	4.2400	456.313	3.8748	457.363	3.7331	458.412	4.1257
455.289	4.2420	456.338	3.8769	457.388	3.7062	458.437	4.1584
455.314	4.2781	456.363	3.8489	457.413	3.8797	458.462	4.3523
455.339	3.9534	456.388	3.8209	457.438	3.8806	458.487	4.4201
455.364	3.9555	456.413	3.8222	457.463	3.8813	458.512	4.3547
455.389	3.8955	456.438	3.5951	457.488	4.1571	458.537	4.5245
455.414	3.9283	456.463	3.5960	457.513	4.0945	458.562	4.5602



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
458.587	4.5963	459.637	4.0373	460.686	4.7841	461.735	3.6160
458.612	4.6327	459.661	4.0393	460.711	4.7846	461.760	3.6170
458.637	4.5984	459.686	4.0413	460.736	4.4101	461.785	3.5926
458.662	4.5297	459.711	3.7855	460.761	4.4105	461.810	3.5936
458.687	4.5656	459.736	3.8152	460.786	4.4111	461.835	3.5695
458.712	4.4977	459.761	3.9017	460.811	4.2228	461.860	3.4962
458.737	4.4650	459.786	3.9036	460.836	4.2238	461.885	3.4730
458.762	4.4663	459.811	3.9057	460.861	4.2251	461.910	3.3780
458.787	4.3022	459.836	3.9077	460.886	4.2267	461.935	3.3796
458.812	4.2395	459.861	3.9098	460.911	4.2286	461.960	3.3812
458.837	4.1780	459.886	3.8554	460.936	4.2925	461.985	3.4067
458.862	4.1795	459.911	3.8574	460.961	4.2947	462.010	3.4323
458.887	4.1811	459.936	3.7489	460.986	4.3600	462.035	3.3387
458.912	4.1826	459.961	3.7781	461.011	4.3307	462.060	3.3402
458.937	4.1841	459.986	3.7525	461.036	4.3646	462.085	3.3415
458.962	4.0628	460.011	3.9786	461.061	4.2114	462.110	3.2045
458.987	4.0643	460.036	3.9799	461.086	4.1833	462.135	3.2056
459.012	3.9763	460.061	4.0989	461.111	3.9236	462.160	3.4158
459.037	3.9777	460.086	4.0999	461.136	3.9256	462.185	3.4166
459.062	3.9791	460.111	4.0709	461.161	3.9276	462.210	3.4172
459.087	3.6703	460.136	3.9836	461.186	3.8737	462.235	3.4179
459.112	3.6716	460.161	3.9842	461.211	3.8755	462.260	3.4185
459.137	3.5664	460.186	4.0728	461.236	3.9612	462.285	3.4192
459.162	3.5675	460.211	4.1031	461.261	3.9629	462.310	3.4200
459.187	3.5685	460.236	4.1036	461.286	3.9364	462.335	3.4210
459.212	3.2921	460.261	4.2570	461.311	4.1699	462.360	3.4221
459.237	3.2929	460.286	4.2576	461.335	4.1716	462.385	3.4234
459.262	3.4172	460.311	4.2583	461.360	4.1139	462.410	3.4249
459.287	3.4179	460.336	4.2282	461.385	4.1157	462.435	3.4266
459.312	3.4186	460.361	4.2604	461.410	4.1175	462.460	3.4283
459.337	3.6262	460.386	4.3249	461.435	4.0034	462.485	3.4302
459.362	3.6270	460.411	4.3266	461.460	4.0052	462.510	3.4321
459.387	3.7634	460.436	4.3285	461.485	3.7859	462.535	3.3628
459.412	3.7645	460.461	4.3307	461.510	3.7877	462.560	3.3646
459.437	3.7934	460.486	4.3330	461.535	3.8707	462.585	3.6091
459.462	3.5265	460.511	4.4978	461.560	3.8723	462.610	3.5858
459.487	3.5281	460.536	4.5001	461.585	3.8464	462.635	3.6123
459.512	3.6346	460.561	4.6723	461.610	3.7671	462.660	3.6138
459.537	3.6364	460.586	4.6394	461.635	3.7683	462.685	3.6152
459.562	3.6382	460.611	4.6408	461.660	3.6645	462.710	3.7705
459.587	3.9454	460.636	4.9670	461.685	3.6914	462.735	3.7718
459.611	3.9474	460.661	4.9678	461.710	3.6664	462.760	3.7731



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
462.785	4.1324	463.834	4.5118	464.883	3.8819	465.933	2.5357
462.810	4.1335	463.859	4.5120	464.908	3.9094	465.958	2.5189
462.835	3.9925	463.884	4.3874	464.933	3.5587	465.983	2.4674
462.860	3.9657	463.909	4.4187	464.958	3.5600	466.008	2.4686
462.885	3.9118	463.934	4.2381	464.983	3.5374	466.033	2.4701
462.910	4.4078	463.959	4.2389	465.008	3.5387	466.058	2.4716
462.935	4.4086	463.984	4.2399	465.033	3.5401	466.083	2.4733
462.960	5.0208	464.009	4.1252	465.058	3.6380	466.108	2.5992
462.985	5.0215	464.034	4.1265	465.083	3.6152	466.133	2.6009
463.010	5.0596	464.059	4.2439	465.108	3.5447	466.158	2.6755
463.035	5.3731	464.084	4.2455	465.133	3.5463	466.183	2.6772
463.060	5.3335	464.109	4.2472	465.158	3.5479	466.208	2.6788
463.085	5.4577	464.134	4.2490	465.183	3.4095	466.233	2.6074
463.110	5.4588	464.159	4.2215	465.208	3.4111	466.258	2.6089
463.135	5.4185	464.184	4.1943	465.233	3.3223	466.283	2.5389
463.159	5.4199	464.209	4.1962	465.258	3.3239	466.308	2.5760
463.184	5.4213	464.234	4.1981	465.283	3.3254	466.333	2.5775
463.209	5.1069	464.259	4.0302	465.308	3.2170	466.358	2.6880
463.234	5.1085	464.284	4.0319	465.333	3.2184	466.383	2.6896
463.259	4.8549	464.309	3.8979	465.358	3.2633	466.408	2.8804
463.284	4.9279	464.334	3.8994	465.383	3.2646	466.433	2.8822
463.309	4.9298	464.359	3.9008	465.408	3.2658	466.458	3.0024
463.334	5.0412	464.384	3.7973	465.433	3.1590	466.483	3.0041
463.359	5.0433	464.409	3.7986	465.458	3.1388	466.508	3.0057
463.384	5.1966	464.434	4.0128	465.483	2.9145	466.533	3.0884
463.409	5.1987	464.459	3.9868	465.508	2.9153	466.558	3.0896
463.434	5.2006	464.484	4.0154	465.533	2.9360	466.583	3.0906
463.459	5.2025	464.509	4.1566	465.558	2.8774	466.608	3.0913
463.484	5.2042	464.534	4.1582	465.583	2.8782	466.633	3.0917
463.509	5.2057	464.559	4.0475	465.608	2.6878	466.658	3.2172
463.534	5.2071	464.584	4.0493	465.633	2.6886	466.682	3.2170
463.559	5.2082	464.609	4.0511	465.658	2.6158	466.707	3.3246
463.584	5.1328	464.634	4.0529	465.683	2.5985	466.732	3.3242
463.609	5.1335	464.659	4.0549	465.708	2.6177	466.757	3.3239
463.634	5.0593	464.684	3.9213	465.733	2.5109	466.782	3.6682
463.659	5.0597	464.709	3.9233	465.758	2.5475	466.807	3.6441
463.684	5.0972	464.734	3.9252	465.783	2.5843	466.832	3.9180
463.709	5.0232	464.759	3.8742	465.808	2.5852	466.857	3.9185
463.734	5.0233	464.784	3.8760	465.833	2.5861	466.882	3.9194
463.759	4.7414	464.809	3.7742	465.858	2.5510	466.907	3.6953
463.784	4.7414	464.833	3.7758	465.883	2.5518	466.932	3.6967
463.809	4.7415	464.858	3.8805	465.908	2.5348	466.957	3.8218



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
466.982	3.8236	468.032	3.8725	469.081	3.1239	470.131	2.9362
467.007	3.8004	468.057	3.8735	469.106	2.9881	470.155	2.9934
467.032	4.0341	468.082	3.9252	469.131	2.9901	470.180	2.9557
467.057	4.0359	468.107	3.9262	469.156	2.9920	470.205	2.9559
467.082	4.3141	468.132	3.7533	469.181	2.9939	470.230	3.0327
467.107	4.2873	468.157	3.7544	469.206	2.9957	470.255	3.0137
467.132	4.2890	468.182	3.9041	469.231	2.9589	470.280	2.9568
467.157	4.2341	468.207	3.8799	469.256	2.9604	470.305	2.9572
467.182	4.2358	468.232	3.9061	469.281	2.9617	470.330	2.9577
467.207	4.1819	468.257	3.9326	469.306	3.1391	470.355	2.9021
467.232	4.1838	468.282	3.9592	469.331	3.1402	470.380	2.9029
467.257	3.9453	468.307	3.5031	469.356	2.9270	470.405	2.8485
467.282	3.9473	468.332	3.5042	469.381	2.9281	470.430	2.8680
467.307	3.9494	468.356	3.5052	469.406	2.9292	470.455	2.8693
467.332	4.0037	468.382	3.5517	469.431	2.8740	470.480	3.0405
467.357	4.0058	468.406	3.5757	469.456	2.8567	470.505	3.0420
467.382	3.8540	468.431	3.2680	469.481	2.8766	470.530	3.3039
467.407	3.8560	468.456	3.2690	469.506	2.8780	470.555	3.3056
467.432	3.8580	468.481	3.2701	469.531	2.8608	470.580	3.2660
467.457	3.8597	468.506	2.9481	469.556	3.0136	470.605	3.2269
467.482	3.8362	468.531	2.9300	469.581	3.0150	470.630	3.2694
467.507	3.6671	468.556	2.9505	469.606	2.8100	470.655	3.1302
467.532	3.6683	468.581	2.9518	469.631	2.8114	470.680	3.1121
467.557	3.6694	468.606	2.9531	469.656	2.8126	470.705	3.0553
467.582	3.6230	468.631	3.1735	469.681	2.6884	470.730	3.0568
467.607	3.6237	468.656	3.1342	469.706	2.6894	470.755	3.0583
467.632	3.7926	468.681	3.2178	469.731	2.6553	470.780	2.8900
467.657	3.7931	468.706	3.2194	469.756	2.6562	470.805	2.8914
467.682	3.7935	468.731	3.2211	469.781	2.6569	470.830	2.9298
467.707	3.8684	468.756	3.1003	469.806	2.6577	470.855	2.9312
467.732	3.8687	468.781	3.1021	469.831	2.6583	470.880	2.9325
467.757	3.5333	468.806	3.0640	469.856	2.6590	470.905	2.8420
467.782	3.5107	468.831	3.0658	469.881	2.6596	470.930	2.8252
467.807	3.5335	468.856	3.0677	469.906	2.5402	470.955	2.8447
467.832	3.4432	468.881	2.9910	469.931	2.5408	470.980	2.8280
467.857	3.4433	468.906	3.0122	469.956	2.5413	471.005	2.8476
467.882	3.7216	468.931	3.0929	469.981	2.6619	471.030	2.7419
467.907	3.6978	468.956	3.1147	470.006	2.6624	471.055	2.7435
467.932	3.7222	468.981	3.1568	470.031	2.8234	471.080	2.7100
467.957	3.9464	469.006	3.1994	470.056	2.8239	471.105	2.7116
467.982	3.9470	469.031	3.1605	470.081	2.8243	471.130	2.7130
468.007	3.8716	469.056	3.1220	470.106	2.9358	471.155	2.8931



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
471.180	2.8943	472.229	3.0592	473.279	3.0063	474.328	4.4343
471.205	2.9322	472.254	3.0046	473.304	3.0625	474.353	4.3286
471.230	2.9516	472.279	3.0437	473.329	3.0819	474.378	4.3292
471.255	2.9524	472.304	3.0079	473.354	3.3970	474.403	4.2777
471.280	2.7539	472.329	3.0096	473.379	3.3980	474.428	4.2782
471.305	2.7545	472.354	2.9927	473.404	3.3993	474.453	4.2787
471.330	2.5665	472.379	3.0690	473.429	3.1817	474.478	4.0056
471.355	2.5672	472.404	3.0705	473.454	3.1833	474.503	4.0062
471.380	2.5680	472.429	3.0155	473.479	3.2829	474.528	3.9830
471.405	2.6535	472.454	2.9981	473.504	3.2848	474.553	3.9838
471.430	2.6546	472.479	3.0177	473.529	3.3067	474.578	3.9846
471.455	2.7599	472.504	2.9086	473.554	3.4099	474.603	4.1811
471.480	2.7611	472.529	2.9095	473.579	3.4119	474.628	4.1821
471.505	2.8878	472.554	2.8211	473.604	3.4139	474.653	4.2338
471.530	2.8528	472.579	2.8218	473.629	3.4159	474.678	4.2350
471.555	2.8540	472.604	2.8225	473.654	3.4177	474.703	4.2362
471.580	2.8372	472.629	2.7709	473.678	3.8093	474.728	3.9914
471.605	2.8204	472.654	2.7717	473.703	3.8109	474.753	3.9927
471.630	2.7331	472.679	2.8426	473.728	4.2498	474.778	4.2915
471.655	2.7341	472.704	2.8613	473.753	4.2511	474.803	4.2928
471.680	2.7351	472.729	2.8623	473.778	4.2523	474.828	4.6469
471.705	2.6670	472.754	2.8280	473.803	4.2020	474.853	4.6482
471.730	2.6510	472.779	2.8292	473.828	4.2030	474.878	4.6496
471.755	2.8988	472.804	2.9195	473.853	4.1785	474.903	4.5112
471.780	2.9001	472.829	2.9207	473.878	4.1793	474.928	4.4854
471.805	2.9016	472.854	2.9220	473.903	4.5530	474.953	4.2246
471.829	2.9956	472.879	3.0706	473.928	4.5537	474.978	4.2261
471.854	3.0162	472.904	3.0719	473.953	4.5545	475.003	4.2025
471.879	3.0370	472.929	3.0731	473.978	5.0031	475.028	4.3060
471.904	3.0389	472.954	3.0555	474.003	5.0040	475.053	4.3075
471.929	3.0409	472.979	3.0567	474.028	4.9419	475.078	4.3090
471.954	3.1193	473.004	2.9291	474.053	4.9430	475.103	4.3104
471.979	3.1211	473.029	2.9300	474.078	4.9441	475.128	4.3117
472.004	3.3418	473.054	3.0781	474.103	4.5607	475.153	4.0155
472.029	3.3026	473.079	3.0788	474.128	4.5902	475.178	4.1131
472.054	3.3449	473.104	2.9139	474.153	4.5635	475.203	4.0899
472.079	3.1857	473.129	2.8963	474.178	4.5931	475.228	4.0910
472.104	3.1871	473.154	2.8965	474.203	4.5664	475.253	4.1409
472.129	3.0535	473.179	2.9146	474.228	4.5677	475.278	4.1420
472.154	3.0548	473.204	2.8968	474.253	4.5971	475.303	4.0221
472.179	3.0562	473.229	3.0058	474.278	4.4325	475.328	4.0232
472.204	3.0577	473.254	3.0060	474.303	4.4334	475.353	4.0243



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
475.378	3.8399	476.427	3.1536	477.476	2.8225	478.526	2.7184
475.403	3.8409	476.452	3.1556	477.501	2.8228	478.551	2.7194
475.428	3.8420	476.477	3.0850	477.526	2.7900	478.576	2.8996
475.452	3.8429	476.502	3.0874	477.551	2.7900	478.601	2.9007
475.477	3.8666	476.527	3.0898	477.576	2.8231	478.626	2.6596
475.502	4.0303	476.552	2.8145	477.601	2.8232	478.651	2.6607
475.527	4.0314	476.577	2.8168	477.626	2.8234	478.676	2.6619
475.552	3.8021	476.602	2.8524	477.651	3.0107	478.701	2.6632
475.577	3.8256	476.627	2.8375	477.676	3.0112	478.726	2.6488
475.602	3.8267	476.652	2.8558	477.701	2.9429	478.751	2.9583
475.627	3.8279	476.677	3.1375	477.726	2.9439	478.776	2.9594
475.652	3.8068	476.702	3.1385	477.751	2.9451	478.801	2.9604
475.677	3.5087	476.727	3.1574	477.776	2.9463	478.826	2.9276
475.702	3.4692	476.752	3.1578	477.801	2.9477	478.851	2.9454
475.727	3.5115	476.777	2.8761	477.826	2.8813	478.876	2.9972
475.752	3.2176	476.802	2.8762	477.851	2.8828	478.901	2.9982
475.777	3.2191	476.827	2.8762	477.876	2.8841	478.926	2.9991
475.802	3.0545	476.852	2.8593	477.901	2.8025	478.951	2.9324
475.827	3.0561	476.877	2.8425	477.926	2.8038	478.975	2.9504
475.852	3.3004	476.902	2.9104	477.951	2.7240	479.000	2.9181
475.877	3.3020	476.927	2.9278	477.976	2.7253	479.025	2.9195
475.902	3.3037	476.952	2.9111	478.001	2.7266	479.050	2.9210
475.927	3.4031	476.977	3.0336	478.026	2.9598	479.075	3.0070
475.952	3.4046	477.002	3.0345	478.051	2.9612	479.100	3.0084
475.977	3.5271	477.027	2.8628	478.076	3.0843	479.125	2.9757
476.002	3.4673	477.052	2.8641	478.101	3.0857	479.150	2.9769
476.027	3.5294	477.077	2.8487	478.126	3.0871	479.175	3.0636
476.052	3.3114	477.102	2.7673	478.151	2.8822	479.200	3.0644
476.077	3.3122	477.127	2.7690	478.176	2.8835	479.225	3.0650
476.102	3.1065	477.152	2.7707	478.201	2.7534	479.250	3.1356
476.127	3.1070	477.176	2.7725	478.226	2.7545	479.275	3.1359
476.152	3.1075	477.201	2.7580	478.251	2.7556	479.300	3.0661
476.177	3.0357	477.226	2.8424	478.276	2.6769	479.325	3.0663
476.202	3.0361	477.251	2.8443	478.301	2.6779	479.350	3.0666
476.227	3.2386	477.276	2.8461	478.326	2.7105	479.375	3.2816
476.252	3.2391	477.301	2.8479	478.351	2.7115	479.400	3.2823
476.277	3.2396	477.326	2.8496	478.376	2.7125	479.425	3.6718
476.302	3.2403	477.351	2.9016	478.401	2.7135	479.450	3.6729
476.327	3.2411	477.376	2.9030	478.426	2.7145	479.475	3.6741
476.352	3.2233	477.401	2.9042	478.451	2.7155	479.500	3.7376
476.377	3.2246	477.426	2.9221	478.476	2.7165	479.525	3.7183
476.402	3.2262	477.451	2.9058	478.501	2.7016	479.550	3.5574



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
479.575	3.5588	480.625	3.2866	481.674	3.1609	482.723	2.3416
479.600	3.5601	480.650	3.2879	481.699	3.0602	482.748	2.4535
479.625	3.7864	480.674	3.0600	481.724	3.0453	482.773	2.4543
479.650	3.7874	480.699	3.0618	481.749	3.0472	482.798	2.4834
479.675	3.7461	480.724	3.0297	481.774	2.9010	482.823	2.3178
479.700	3.7467	480.749	3.0317	481.799	2.9029	482.848	2.3185
479.725	3.7471	480.774	3.0338	481.824	3.0026	482.873	2.2389
479.750	3.6445	480.799	2.9854	481.849	3.0042	482.898	2.2529
479.775	3.6447	480.824	2.9873	481.874	3.0057	482.923	2.2536
479.800	3.8109	480.849	3.0396	481.899	2.8931	482.948	2.2410
479.825	3.8323	480.874	3.0413	481.924	2.8943	482.973	2.2417
479.850	3.8324	480.899	3.0091	481.949	2.9602	482.998	2.1768
479.875	3.9855	480.924	3.0105	481.974	2.9775	483.023	2.1776
479.900	3.9857	480.949	3.0286	481.999	2.9783	483.048	2.1784
479.925	3.7907	480.974	2.8651	482.024	2.7411	483.073	2.0894
479.950	3.8123	480.999	2.8663	482.049	2.7417	483.098	2.0903
479.975	3.7917	481.024	2.8516	482.074	2.6663	483.123	1.9300
480.000	3.7924	481.049	2.8529	482.099	2.6668	483.148	1.9433
480.025	3.7932	481.074	2.8544	482.124	2.6672	483.173	1.9444
480.050	3.5098	481.099	3.0199	482.149	2.6080	483.198	1.8853
480.075	3.5108	481.124	3.0381	482.174	2.6084	483.223	1.8865
480.100	3.3966	481.149	3.1595	482.199	2.6385	483.248	2.0221
480.125	3.3977	481.174	3.1607	482.224	2.6689	483.273	2.0359
480.150	3.3988	481.199	3.1617	482.249	2.6395	483.298	2.0249
480.175	3.2337	481.224	3.1451	482.274	2.5518	483.323	2.1658
480.200	3.2349	481.249	3.1456	482.299	2.5525	483.348	2.1674
480.225	3.1119	481.274	3.0601	482.324	2.4528	483.373	2.0798
480.250	3.1131	481.299	3.0601	482.349	2.4536	483.398	2.0815
480.275	3.1142	481.324	3.0601	482.374	2.4545	483.423	2.0333
480.300	3.0462	481.349	3.4535	482.399	2.3853	483.448	2.0476
480.325	3.0472	481.374	3.4535	482.424	2.3724	483.473	2.0495
480.350	3.1172	481.399	3.5689	482.448	2.3594	483.498	2.0390
480.375	3.1181	481.424	3.5693	482.473	2.3603	483.523	2.0407
480.400	3.1189	481.449	3.5699	482.498	2.5447	483.548	1.9322
480.425	3.1197	481.474	3.2534	482.523	2.5311	483.573	1.9337
480.450	3.1203	481.499	3.2546	482.548	2.5319	483.598	1.9350
480.475	3.2092	481.524	3.0986	482.573	2.4898	483.623	1.9480
480.500	3.2099	481.549	3.1001	482.598	2.5050	483.648	1.9368
480.525	3.2106	481.574	3.1018	482.623	2.4491	483.673	1.9134
480.550	3.1231	481.599	3.2077	482.648	2.4499	483.698	1.9139
480.575	3.1239	481.624	3.2096	482.673	2.4508	483.723	1.9263
480.600	3.2854	481.649	3.1590	482.698	2.3408	483.748	1.9388



Table 1. Low Resolution Absorption Cross Section from 450-650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
483.773	1.9756	484.822	2.2500	485.872	2.3698	486.921	2.1886
483.798	2.0376	484.847	2.2510	485.897	2.4112	486.946	2.2660
483.823	2.0383	484.872	2.2521	485.922	2.4125	486.971	2.2676
483.848	2.0391	484.897	2.2533	485.947	2.3602	486.996	2.3078
483.873	2.0276	484.922	2.4278	485.971	2.3745	487.021	2.3095
483.898	2.0409	484.947	2.4290	485.996	2.3753	487.046	2.3112
483.923	1.9804	484.972	2.4302	486.021	2.3626	487.071	2.3129
483.948	1.9693	484.997	2.4314	486.046	2.3629	487.096	2.3275
483.973	1.9824	485.022	2.3783	486.071	2.5817	487.121	2.1518
483.998	1.9956	485.047	2.3794	486.096	2.5818	487.146	2.1656
484.023	1.9966	485.072	2.3805	486.121	2.5819	487.171	2.1668
484.048	2.0842	485.097	2.3281	486.146	2.4436	487.196	2.0460
484.073	2.0851	485.122	2.3292	486.171	2.4440	487.221	2.0469
484.098	2.0986	485.147	2.2907	486.196	2.5406	487.246	2.0358
484.123	2.2143	485.172	2.7918	486.221	2.5412	487.271	2.0365
484.148	2.2022	485.197	2.7930	486.246	2.5420	487.296	2.0253
484.173	2.1901	485.222	2.5523	486.271	2.5431	487.321	2.0500
484.198	2.1908	485.247	2.5394	486.296	2.5444	487.346	2.0629
484.223	2.1404	485.272	2.4164	486.321	2.6019	487.371	2.1861
484.247	2.1410	485.297	2.4040	486.346	2.6034	487.396	2.1997
484.272	2.1417	485.322	2.4187	486.371	2.6049	487.421	2.2135
484.297	2.0919	485.347	2.3793	486.396	2.4136	487.446	2.1528
484.322	2.0925	485.372	2.3802	486.421	2.4150	487.471	2.1543
484.347	2.2076	485.397	2.3811	486.446	2.3367	487.496	2.1558
484.372	2.2212	485.422	2.3819	486.471	2.3248	487.521	2.1573
484.397	2.2090	485.447	2.3826	486.496	2.3388	487.546	2.1834
484.422	2.2098	485.472	2.3433	486.521	2.1983	487.571	2.1724
484.447	2.2236	485.497	2.3439	486.546	2.1991	487.596	2.1860
484.472	2.2115	485.522	2.2400	486.571	2.1126	487.621	2.2497
484.497	2.2125	485.547	2.2405	486.596	2.1132	487.646	2.2508
484.522	2.2135	485.572	2.2411	486.621	2.1138	487.671	2.3413
484.547	2.3595	485.597	2.2805	486.646	2.0655	487.696	2.3423
484.572	2.3606	485.622	2.2811	486.671	2.0662	487.720	2.3434
484.597	2.3616	485.647	2.2429	486.696	2.0914	487.746	2.3059
484.622	2.3625	485.672	2.2435	486.721	2.0923	487.771	2.3071
484.647	2.3634	485.697	2.2443	486.746	2.2049	487.795	2.4517
484.672	2.4185	485.722	2.4300	486.771	2.2060	487.820	2.4529
484.697	2.4192	485.747	2.4310	486.796	2.1945	487.845	2.4541
484.722	2.2207	485.772	2.4185	486.821	2.1832	487.870	2.4954
484.747	2.2215	485.797	2.4061	486.846	2.1845	487.895	2.4965
484.772	2.2352	485.822	2.3672	486.871	2.1858	487.920	2.5518
484.797	2.2621	485.847	2.3685	486.896	2.1872	487.945	2.5527



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
487.970	2.5536	489.020	4.4897	490.069	2.7922	491.119	2.0369
487.995	2.5817	489.045	4.2452	490.094	2.8073	491.144	2.0384
488.020	2.5824	489.070	4.2470	490.119	2.8080	491.169	2.0400
488.045	2.6244	489.095	3.7262	490.144	2.6955	491.194	1.9623
488.070	2.6248	489.120	3.7469	490.169	2.6960	491.219	1.9639
488.095	2.6252	489.145	3.6376	490.194	2.5465	491.243	1.8770
488.120	2.7386	489.170	3.6394	490.219	2.5470	491.268	1.8895
488.145	2.7388	489.195	3.6410	490.244	2.5743	491.293	1.8800
488.170	2.7534	489.220	3.5171	490.269	2.7826	491.318	1.8487
488.195	2.7536	489.245	3.5185	490.294	2.7690	491.343	1.8500
488.220	2.7683	489.270	3.3816	490.319	2.9741	491.368	1.8620
488.245	2.9015	489.295	3.3827	490.344	2.9749	491.393	1.8739
488.270	2.9019	489.320	3.3837	490.369	2.9758	491.418	1.8749
488.295	2.8429	489.345	3.4877	490.394	2.9171	491.443	1.9751
488.320	2.8436	489.370	3.4884	490.419	2.9181	491.468	1.9759
488.345	3.0733	489.395	3.6494	490.444	2.7460	491.493	1.9323
488.370	3.0743	489.420	3.6498	490.469	2.7612	491.518	1.9331
488.395	3.0755	489.444	3.6501	490.494	2.7483	491.543	1.9340
488.420	3.5294	489.469	3.5072	490.519	2.6113	491.568	1.9129
488.445	3.5307	489.494	3.4896	490.544	2.6125	491.593	1.9138
488.470	3.6966	489.519	3.6499	490.569	2.5734	491.618	1.7748
488.495	3.6979	489.544	3.6497	490.594	2.5747	491.643	1.7969
488.520	3.6992	489.569	3.6495	490.619	2.5628	491.668	1.9057
488.545	3.6818	489.594	3.5063	490.644	2.4981	491.693	1.9066
488.570	3.6645	489.619	3.5238	490.669	2.4997	491.718	1.9075
488.595	3.6105	489.644	3.2689	490.694	2.4752	491.743	2.0310
488.620	3.6116	489.669	3.2690	490.719	2.4768	491.768	2.0320
488.645	3.6127	489.694	3.2693	490.744	2.4784	491.793	2.0786
488.670	3.6873	489.719	3.1567	490.769	2.3022	491.818	2.0683
488.695	3.6883	489.744	3.1572	490.794	2.3037	491.843	2.0696
488.720	3.9597	489.769	3.2382	490.819	2.2805	491.868	2.0255
488.745	3.9606	489.794	3.2389	490.844	2.2819	491.893	2.0271
488.770	3.9615	489.819	3.2397	490.869	2.3080	491.918	2.2022
488.795	4.0027	489.844	3.1922	490.894	2.3095	491.943	2.2038
488.820	4.0036	489.869	3.1771	490.919	2.2985	491.968	2.2054
488.845	4.0659	489.894	3.0526	490.944	2.2146	491.993	2.3397
488.870	4.0875	489.919	3.0382	490.969	2.2160	492.018	2.3411
488.895	4.0885	489.944	3.0546	490.994	2.2538	492.043	2.3917
488.920	4.5781	489.969	2.9643	491.019	2.2431	492.068	2.3926
488.945	4.5793	489.994	2.9354	491.044	2.2446	492.093	2.3932
488.970	4.4406	490.019	2.8773	491.069	2.1267	492.118	2.2710
488.995	4.4421	490.044	2.8782	491.094	2.1635	492.143	2.2711



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
492.168	2.3196	493.217	2.3959	494.267	2.7659	495.316	2.7603
492.193	2.3194	493.242	2.3969	494.292	2.7661	495.341	2.7617
492.218	2.3191	493.267	2.3855	494.317	2.6857	495.366	2.6185
492.243	2.2702	493.292	2.3742	494.342	2.6857	495.391	2.6196
492.268	2.2700	493.317	2.3752	494.367	2.6856	495.416	2.6205
492.293	2.2458	493.342	2.5270	494.392	2.9753	495.441	2.5448
492.318	2.2457	493.367	2.5281	494.417	2.9753	495.466	2.5455
492.343	2.2459	493.392	2.4279	494.442	3.1369	495.491	2.5209
492.368	2.2105	493.417	2.4415	494.467	3.1370	495.516	2.5215
492.393	2.2111	493.442	2.4425	494.492	3.1372	495.541	2.5222
492.418	2.1648	493.467	2.5839	494.517	2.9473	495.566	2.6894
492.443	2.1659	493.492	2.5849	494.542	2.9477	495.591	2.6902
492.468	2.0860	493.517	2.4960	494.567	2.9482	495.616	2.8111
492.493	2.0758	493.542	2.4971	494.592	2.9490	495.641	2.8121
492.518	2.0885	493.567	2.4983	494.617	2.9499	495.666	2.8131
492.543	1.9660	493.592	2.5636	494.642	3.0522	495.691	2.9104
492.568	1.9671	493.617	2.5651	494.667	3.0535	495.716	2.9115
492.593	1.9459	493.642	2.6319	494.692	3.0550	495.741	2.7493
492.618	1.9465	493.667	2.6205	494.716	3.0566	495.766	2.7504
492.643	1.9469	493.692	2.6223	494.741	3.0583	495.791	2.7781
492.668	2.0361	493.717	2.6770	494.767	2.9163	495.816	2.7790
492.693	2.0361	493.742	2.6789	494.791	2.9179	495.841	2.7665
492.718	2.1158	493.767	2.6017	494.816	3.1673	495.866	2.8483
492.743	2.1157	493.792	2.6034	494.841	3.1688	495.891	2.8489
492.768	2.1158	493.817	2.6049	494.866	3.1701	495.916	2.9747
492.793	2.2211	493.842	2.5163	494.891	3.4049	495.941	2.9753
492.818	2.2215	493.867	2.5175	494.916	3.3897	495.966	2.9760
492.843	2.1633	493.892	2.5440	494.941	3.0248	495.991	2.7441
492.868	2.1640	493.917	2.5450	494.966	3.0252	496.016	2.7449
492.893	2.1533	493.942	2.5458	494.991	2.8975	496.041	2.8262
492.918	2.1777	493.967	2.4708	495.016	2.8838	496.066	2.8272
492.943	2.1788	493.992	2.4716	495.041	2.8840	496.091	2.8283
492.968	2.0990	494.017	2.6389	495.066	2.8154	496.116	2.7889
492.993	2.1462	494.042	2.6398	495.091	2.8159	496.141	2.7900
493.018	2.1013	494.067	2.6407	495.116	2.7355	496.166	2.7911
493.043	2.0797	494.092	2.7346	495.141	2.7498	496.191	2.7922
493.067	2.0809	494.117	2.7355	495.166	2.7375	496.216	2.7798
493.092	2.2093	494.142	2.7363	495.191	2.7255	496.241	2.6884
493.117	2.2104	494.167	2.7371	495.216	2.7270	496.266	2.6892
493.142	2.2352	494.192	2.8749	495.241	2.7154	496.291	2.8360
493.167	2.3324	494.217	2.8614	495.266	2.7171	496.316	2.8502
493.192	2.3213	494.242	2.8618	495.291	2.7320	496.341	2.8372



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
496.366	2.8649	497.415	2.1154	498.464	1.4653	499.514	1.2694
496.391	2.8790	497.440	2.1155	498.489	1.4662	499.539	1.2708
496.416	2.8386	497.465	2.1376	498.514	1.4762	499.564	1.2721
496.441	2.8527	497.490	2.1158	498.539	1.4861	499.589	1.2734
496.466	2.8397	497.515	2.0616	498.564	1.5143	499.614	1.1987
496.491	2.7999	497.540	2.0513	498.589	1.5150	499.639	1.1998
496.516	2.7873	497.565	2.0626	498.614	1.5158	499.664	1.2007
496.540	2.7748	497.590	1.9778	498.639	1.6001	499.689	1.2015
496.565	2.7759	497.615	1.9787	498.664	1.6009	499.714	1.2022
496.590	2.7770	497.640	1.9064	498.689	1.5549	499.739	1.2364
496.615	2.6993	497.665	1.9075	498.714	1.5556	499.764	1.2286
496.640	2.7007	497.690	1.9086	498.739	1.5562	499.789	1.2294
496.665	2.9305	497.715	1.9097	498.764	1.5199	499.814	1.2302
496.690	2.9320	497.740	1.9109	498.789	1.5205	499.839	1.2396
496.715	2.8784	497.765	1.9016	498.814	1.4845	499.864	1.2239
496.740	2.8798	497.790	1.9129	498.839	1.4851	499.889	1.2251
496.765	2.8812	497.815	1.9137	498.864	1.4857	499.914	1.2265
496.790	2.7881	497.840	1.7922	498.889	1.4864	499.939	1.2279
496.815	2.7892	497.865	1.7927	498.914	1.4963	499.964	1.2294
496.840	2.9257	497.890	1.8030	498.939	1.5800	499.989	1.2392
496.865	2.9405	497.915	1.8032	498.964	1.5809	500.013	1.2406
496.890	2.9274	497.940	1.8034	498.989	1.5817	500.039	1.2503
496.915	2.8870	497.965	1.7438	499.014	1.4273	500.063	1.2515
496.940	2.8876	497.990	1.7439	499.039	1.4282	500.088	1.2442
496.965	2.5373	498.015	1.7146	499.064	1.4111	500.113	1.3300
496.990	2.5255	498.040	1.7149	499.089	1.4119	500.138	1.3307
497.015	2.5262	498.065	1.7153	499.114	1.4305	500.163	1.2047
497.040	2.4778	498.090	1.8353	499.139	1.4312	500.188	1.2219
497.065	2.4663	498.115	1.8361	499.164	1.4319	500.213	1.2224
497.090	2.4428	498.140	1.8879	499.189	1.4059	500.238	1.2229
497.115	2.4436	498.165	1.8788	499.214	1.4065	500.263	1.2234
497.140	2.4564	498.190	1.8802	499.239	1.4698	500.288	1.1662
497.165	2.3382	498.215	1.8715	499.264	1.4705	500.313	1.1669
497.190	2.3390	498.240	1.8631	499.289	1.4711	500.338	1.1925
497.215	2.2020	498.264	1.7449	499.314	1.4180	500.363	1.1935
497.240	2.2026	498.289	1.7468	499.339	1.4276	500.388	1.2528
497.265	2.2032	498.314	1.6805	499.364	1.3230	500.413	1.2624
497.290	2.2036	498.339	1.6728	499.389	1.3325	500.438	1.2553
497.315	2.2039	498.364	1.6746	499.414	1.3248	500.463	1.3328
497.340	2.2154	498.389	1.5440	499.439	1.3172	500.488	1.3425
497.365	2.2155	498.414	1.5454	499.464	1.3183	500.513	1.2670
497.390	2.2156	498.439	1.4642	499.489	1.2681	500.538	1.2595



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
500.563	1.2686	501.613	1.4338	502.662	2.1343	503.711	1.7632
500.588	1.2606	501.638	1.4795	502.687	2.2634	503.736	1.7639
500.613	1.2693	501.663	1.4902	502.712	2.2532	503.761	1.7552
500.638	1.3288	501.688	1.5458	502.737	2.2430	503.786	1.8601
500.663	1.3287	501.713	1.5478	502.762	2.2435	503.811	1.8607
500.688	1.3286	501.738	1.5498	502.787	2.2440	503.836	1.7851
500.713	1.3715	501.763	1.5517	502.812	2.1378	503.861	1.7953
500.738	1.3713	501.788	1.5534	502.837	2.1382	503.886	1.7962
500.763	1.3027	501.813	1.5820	502.862	2.3439	503.911	1.7317
500.788	1.3027	501.837	1.5742	502.887	2.3444	503.936	1.7330
500.813	1.2944	501.862	1.5842	502.912	2.4464	503.961	1.8571
500.838	1.3203	501.887	1.5309	502.937	2.4470	503.986	1.8587
500.863	1.3294	501.912	1.5312	502.962	2.4477	504.011	1.8700
500.888	1.4430	501.937	1.5854	502.987	2.5062	504.036	1.7673
500.913	1.4438	501.962	1.5853	503.012	2.5071	504.061	1.7689
500.938	1.4446	501.987	1.5852	503.037	2.7114	504.086	1.8080
500.963	1.3498	502.012	1.6306	503.062	2.7124	504.111	1.8094
500.988	1.3509	502.037	1.6303	503.087	2.7136	504.136	1.8105
501.013	1.3691	502.062	1.6301	503.112	2.6902	504.161	1.8782
501.038	1.3702	502.087	1.6300	503.137	2.6914	504.186	1.8788
501.063	1.3713	502.112	1.7801	503.162	2.5138	504.211	2.0166
501.088	1.3984	502.137	1.7898	503.187	2.5149	504.236	2.0168
501.113	1.3994	502.162	1.7902	503.212	2.5392	504.261	2.0167
501.138	1.4973	502.187	1.8004	503.237	2.1313	504.286	2.1181
501.163	1.5071	502.212	1.8011	503.262	2.1216	504.311	2.1179
501.188	1.6917	502.237	1.8897	503.287	2.0399	504.336	2.2328
501.213	1.6923	502.262	1.8908	503.312	2.0507	504.361	2.2327
501.238	1.6835	502.287	1.8919	503.337	2.0411	504.386	2.2327
501.263	1.7029	502.312	1.8636	503.362	1.9911	504.411	2.2650
501.288	1.7034	502.337	1.8649	503.387	1.9918	504.436	2.2654
501.313	1.6569	502.362	1.9453	503.412	1.9625	504.461	2.5216
501.338	1.6574	502.387	1.9467	503.437	1.9634	504.486	2.5110
501.363	1.6580	502.412	1.9480	503.462	1.9544	504.511	2.6406
501.388	1.6401	502.437	1.9997	503.487	2.1075	504.536	2.6420
501.413	1.6408	502.462	2.0010	503.512	2.1087	504.561	2.6554
501.438	1.4606	502.487	2.0125	503.536	2.0180	504.586	2.5051
501.463	1.4614	502.512	2.0138	503.561	2.0193	504.611	2.5069
501.488	1.4624	502.537	2.0151	503.586	2.0206	504.636	2.5663
501.513	1.4283	502.562	2.2475	503.611	1.7687	504.661	2.5796
501.538	1.4295	502.587	2.2595	503.636	1.7698	504.686	2.5813
501.563	1.4308	502.612	2.1429	503.661	1.7242	504.711	2.5364
501.588	1.4409	502.637	2.1334	503.686	1.7251	504.736	2.5378



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
504.761	2.8017	505.810	1.9867	506.860	1.7199	507.909	1.5558
504.786	2.7904	505.835	1.9866	506.885	1.7206	507.934	1.5571
504.811	2.8037	505.860	1.9865	506.910	1.7212	507.959	1.6885
504.836	2.9433	505.885	1.8993	506.935	1.8596	507.984	1.6898
504.861	2.9439	505.910	1.8991	506.960	1.8698	508.009	1.6911
504.886	3.2255	505.935	1.8610	506.985	1.9465	508.034	1.5371
504.911	3.2399	505.960	1.8609	507.010	1.9571	508.059	1.5384
504.936	3.2403	505.985	1.8608	507.035	1.8542	508.084	1.6166
504.961	3.4124	506.010	1.8233	507.060	1.8555	508.109	1.6092
504.986	3.4128	506.035	1.8329	507.085	1.8568	508.134	1.6190
505.011	2.9593	506.060	1.8427	507.110	1.7300	508.159	1.6635
505.036	2.9599	506.085	1.8527	507.134	1.7314	508.184	1.6646
505.061	2.9605	506.110	1.8441	507.159	1.5915	508.209	1.7720
505.086	2.7726	506.135	1.9114	507.184	1.5927	508.234	1.7729
505.111	2.7857	506.160	1.9221	507.209	1.5938	508.259	1.7738
505.136	2.7622	506.185	1.7544	507.234	1.7090	508.284	1.6858
505.161	2.7634	506.210	1.7465	507.259	1.7097	508.309	1.6866
505.186	2.7646	506.235	1.9066	507.284	1.6659	508.334	1.6787
505.211	2.5066	506.260	1.9079	507.309	1.6663	508.359	1.6709
505.236	2.5079	506.285	1.9090	507.334	1.6666	508.384	1.6717
505.261	2.6720	506.310	1.9102	507.359	1.6668	508.409	1.6119
505.286	2.6852	506.335	1.9112	507.384	1.6670	508.434	1.6128
505.311	2.5576	506.360	1.9798	507.409	1.5713	508.459	1.5964
505.335	2.5588	506.385	1.9808	507.434	1.5714	508.484	1.5972
505.360	2.5600	506.410	2.0013	507.459	1.5714	508.509	1.5980
505.385	2.6426	506.435	2.0023	507.484	1.4615	508.534	1.7919
505.410	2.6672	506.460	2.0034	507.509	1.4617	508.559	1.7926
505.435	2.6446	506.485	2.0637	507.534	1.5549	508.584	1.9218
505.460	2.6691	506.510	2.0648	507.559	1.5554	508.609	1.9224
505.485	2.6463	506.535	2.0561	507.584	1.5560	508.634	2.0857
505.510	2.4971	506.560	1.9402	507.609	1.6085	508.659	2.0668
505.535	2.4977	506.585	1.9415	507.634	1.6095	508.684	2.0870
505.560	2.2265	506.610	1.9524	507.659	1.7523	508.709	2.1769
505.585	2.2375	506.635	1.9536	507.684	1.7446	508.734	2.1777
505.610	2.2485	506.660	1.9645	507.709	1.7460	508.759	1.9832
505.635	2.1863	506.685	1.8422	507.734	1.4871	508.784	1.9841
505.660	2.1867	506.710	1.8433	507.759	1.4885	508.809	1.9850
505.685	2.1153	506.735	1.9293	507.784	1.4319	508.833	1.7647
505.710	2.1156	506.760	1.9302	507.809	1.4415	508.858	1.7656
505.735	2.1159	506.785	1.9406	507.834	1.4347	508.883	1.7934
505.760	2.0557	506.810	1.8655	507.859	1.4278	508.908	1.7673
505.785	2.0658	506.835	1.8662	507.884	1.4373	508.933	1.7681



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
508.958	1.9055	510.008	2.2880	511.057	2.0451	512.107	2.0321
508.983	1.9063	510.033	2.2883	511.082	2.0463	512.132	2.0321
509.008	2.1075	510.058	2.2783	511.107	2.0006	512.157	1.9311
509.033	2.0986	510.083	2.2786	511.132	2.0018	512.182	1.9314
509.058	2.0994	510.108	2.2687	511.157	2.0029	512.207	2.0330
509.083	2.0324	510.133	2.2287	511.182	2.0039	512.232	2.0336
509.108	2.0334	510.158	2.2392	511.207	2.0048	512.257	2.0343
509.133	2.0827	510.183	2.2197	511.232	2.1775	512.282	2.0916
509.158	2.1032	510.208	2.2405	511.257	2.1783	512.307	2.1021
509.183	2.1042	510.233	2.2412	511.282	1.9883	512.332	1.8820
509.208	2.2145	510.258	2.1622	511.307	1.9890	512.357	1.8921
509.233	2.2154	510.283	2.1730	511.332	1.9896	512.381	1.8844
509.258	2.3604	510.308	2.3359	511.357	2.1130	512.406	2.2920
509.283	2.3717	510.333	2.3369	511.382	2.1138	512.431	2.2834
509.308	2.3618	510.358	2.2157	511.407	2.1241	512.456	2.1286
509.333	2.3520	510.383	2.2267	511.432	2.1345	512.482	2.1300
509.358	2.3526	510.408	2.2276	511.457	2.1257	512.506	2.1315
509.383	2.1595	510.433	2.0810	511.482	2.3041	512.531	2.0949
509.408	2.1701	510.458	2.0915	511.507	2.3151	512.556	2.0962
509.433	2.1608	510.483	2.0826	511.532	2.2656	512.581	1.9950
509.458	2.0252	510.508	2.0833	511.557	2.2665	512.606	1.9961
509.483	2.0260	510.533	2.0839	511.582	2.2676	512.631	1.9972
509.508	2.1138	510.558	2.0846	511.607	1.9989	512.656	2.2256
509.533	2.1147	510.583	2.0854	511.632	2.0001	512.681	2.2264
509.558	2.1948	510.608	2.2136	511.657	1.8917	512.706	2.4077
509.583	2.1956	510.632	2.2246	511.682	1.8931	512.731	2.4083
509.608	2.1965	510.657	2.2157	511.707	1.9036	512.756	2.4088
509.633	2.1181	510.682	2.0896	511.732	1.7723	512.781	2.1130
509.658	2.1189	510.707	2.0910	511.757	1.7912	512.806	2.1230
509.683	1.9947	510.732	1.9602	511.782	1.7666	512.831	1.9745
509.708	1.9955	510.757	1.9525	511.807	1.7679	512.856	1.9659
509.733	1.9963	510.782	1.9542	511.832	1.7604	512.881	1.8856
509.758	2.2822	510.807	2.0307	511.857	1.7962	512.906	1.8862
509.783	2.2830	510.832	2.0323	511.882	1.7970	512.931	1.8869
509.808	2.6272	510.857	2.0719	511.907	1.7802	512.956	1.7999
509.833	2.6279	510.882	2.0639	511.932	1.7806	512.981	1.7920
509.858	2.6174	510.907	2.0749	511.957	1.8777	513.006	1.7670
509.883	2.6406	510.932	2.0955	511.982	1.8867	513.031	1.7851
509.908	2.6411	510.957	2.0969	512.007	1.8776	513.056	1.7860
509.933	2.4546	510.982	2.1956	512.032	1.9315	513.081	1.7697
509.958	2.4550	511.007	2.1969	512.057	1.9312	513.106	1.7706
509.983	2.4446	511.032	2.1982	512.082	2.0322	513.131	1.6614



Table 1. Low Resolution Absorption Cross Section from 450-650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
513.156	1.6623	514.205	1.3146	515.255	1.2480	516.304	1.1707
513.181	1.6631	514.230	1.3152	515.280	1.2056	516.329	1.1926
513.206	1.7824	514.255	1.4380	515.305	1.1993	516.354	1.1862
513.231	1.7574	514.280	1.4388	515.330	1.1930	516.379	1.1869
513.256	1.7838	514.305	1.4944	515.355	1.2011	516.404	1.1524
513.281	1.7930	514.330	1.4876	515.380	1.2019	516.429	1.1463
513.306	1.7936	514.355	1.4888	515.405	1.1458	516.454	1.1896
513.331	1.6836	514.380	1.3893	515.430	1.1467	516.479	1.1906
513.356	1.6842	514.405	1.3906	515.455	1.1547	516.504	1.1916
513.381	1.5613	514.430	1.4073	515.480	1.1485	516.529	1.2070
513.406	1.5620	514.455	1.4086	515.505	1.1495	516.554	1.2081
513.431	1.5708	514.480	1.5112	515.530	1.2074	516.579	1.1951
513.456	1.5553	514.505	1.5126	515.555	1.2082	516.604	1.1964
513.481	1.5481	514.530	1.5139	515.580	1.2018	516.629	1.1977
513.506	1.5409	514.555	1.3531	515.605	1.2458	516.654	1.2635
513.531	1.5579	514.580	1.3618	515.630	1.2463	516.679	1.2648
513.556	1.5428	514.605	1.3780	515.655	1.1892	516.704	1.1383
513.581	1.5437	514.630	1.3789	515.680	1.1966	516.729	1.1395
513.606	1.5447	514.655	1.3950	515.705	1.1969	516.754	1.1407
513.631	1.5057	514.680	1.3804	515.730	1.2693	516.779	1.0795
513.656	1.5225	514.705	1.3809	515.755	1.2768	516.804	1.0804
513.681	1.5154	514.730	1.3966	515.780	1.2916	516.829	1.0066
513.706	1.5162	514.755	1.3970	515.805	1.2918	516.854	1.0073
513.731	1.5170	514.780	1.3973	515.830	1.2847	516.879	1.0079
513.756	1.6228	514.805	1.4052	515.854	1.2486	516.904	1.0287
513.781	1.6316	514.830	1.4131	515.879	1.2491	516.929	1.0293
513.806	1.5752	514.855	1.3376	515.904	1.1994	516.954	1.0706
513.831	1.5758	514.880	1.3454	515.929	1.1931	516.979	1.0712
513.856	1.5846	514.905	1.3382	515.954	1.2012	517.004	1.0042
513.881	1.5131	514.930	1.2571	515.979	1.2528	517.029	0.9983
513.906	1.5060	514.955	1.2575	516.004	1.2540	517.054	0.9991
513.931	1.5387	514.980	1.3172	516.029	1.1762	517.079	0.9140
513.956	1.5396	515.005	1.3179	516.054	1.1774	517.104	0.9150
513.981	1.5647	515.030	1.3187	516.079	1.1715	517.129	0.9159
514.005	1.4391	515.055	1.2459	516.104	1.0885	517.154	0.9168
514.031	1.4400	515.080	1.2469	516.129	1.0894	517.179	0.9177
514.056	1.3036	515.105	1.2263	516.154	1.1041	517.204	0.9186
514.081	1.2969	515.130	1.2275	516.179	1.0978	517.229	0.9193
514.105	1.2976	515.155	1.2288	516.204	1.1473	517.254	1.0194
514.130	1.2315	515.180	1.2300	516.229	1.1479	517.279	1.0201
514.155	1.2394	515.205	1.2312	516.254	1.1484	517.304	1.0208
514.180	1.3141	515.230	1.2324	516.279	1.1701	517.329	1.0283



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
517.354	1.0291	518.403	1.3756	519.452	1.5545	520.502	1.3321
517.379	1.0435	518.428	1.5341	519.477	1.5702	520.527	1.3334
517.404	1.0513	518.453	1.5350	519.502	1.5706	520.552	1.3420
517.429	1.0455	518.478	1.5361	519.527	1.4652	520.577	1.3507
517.454	1.0466	518.503	1.7102	519.552	1.4658	520.602	1.3451
517.479	1.0476	518.528	1.7115	519.577	1.4667	520.627	1.3539
517.504	1.1236	518.553	1.7371	519.602	1.5507	520.652	1.3555
517.529	1.1176	518.578	1.7304	519.627	1.5520	520.677	1.3428
517.554	1.1183	518.603	1.6835	519.652	1.6383	520.702	1.3373
517.579	1.0847	518.628	1.6927	519.677	1.6399	520.727	1.3318
517.604	1.0784	518.653	1.6859	519.702	1.6415	520.752	1.3262
517.628	1.0652	518.678	1.6948	519.727	1.5128	520.777	1.3206
517.654	1.0656	518.703	1.6957	519.752	1.5144	520.802	1.3219
517.678	1.0660	518.728	1.8019	519.777	1.4487	520.827	1.3374
517.703	1.0060	518.753	1.7942	519.802	1.4500	520.852	1.3385
517.728	1.0065	518.778	1.8029	519.827	1.4511	520.877	1.3395
517.753	0.9345	518.803	1.7543	519.852	1.4006	520.902	1.3403
517.778	0.9351	518.828	1.7548	519.877	1.4014	520.927	1.3482
517.803	0.9358	518.853	1.5500	519.902	1.5889	520.952	1.3134
517.828	0.9366	518.878	1.5430	519.927	1.5894	520.977	1.3210
517.853	0.9375	518.903	1.5437	519.952	1.5898	521.002	1.3144
517.878	1.0243	518.928	1.4463	519.977	1.6287	521.027	1.3289
517.903	1.0253	518.953	1.4398	520.002	1.6290	521.052	1.3291
517.928	1.0397	518.978	1.4706	520.027	1.5073	521.077	1.3649
517.953	1.0407	519.003	1.4790	520.052	1.5075	521.102	1.3579
517.978	1.0417	519.028	1.4800	520.077	1.5078	521.126	1.2735
518.003	1.2287	519.053	1.3919	520.102	1.6691	521.151	1.2667
518.028	1.2297	519.078	1.4002	520.127	1.6693	521.177	1.2668
518.053	1.1814	519.103	1.3285	520.152	1.6539	521.201	1.1778
518.078	1.1823	519.128	1.3294	520.177	1.6540	521.226	1.1780
518.103	1.1760	519.153	1.3304	520.202	1.6542	521.251	1.0978
518.128	1.2684	519.178	1.4261	520.227	1.5542	521.276	1.0916
518.153	1.2618	519.203	1.4271	520.252	1.5391	521.301	1.0920
518.178	1.2766	519.228	1.5103	520.277	1.5926	521.326	1.1057
518.203	1.2699	519.253	1.5113	520.302	1.5927	521.351	1.1062
518.228	1.2704	519.278	1.5047	520.327	1.5245	521.376	1.1067
518.253	1.2637	519.303	1.6051	520.352	1.5248	521.401	1.1071
518.278	1.2642	519.328	1.6059	520.377	1.5252	521.426	1.1076
518.303	1.2789	519.353	1.5451	520.402	1.3928	521.451	1.0618
518.328	1.2723	519.377	1.5457	520.427	1.3935	521.476	1.0623
518.353	1.2729	519.402	1.5462	520.452	1.3297	521.501	1.1489
518.378	1.3675	519.427	1.5542	520.477	1.3308	521.526	1.1427



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
521.551	1.1500	522.601	1.1121	523.650	1.0285	524.699	1.4259
521.576	1.1843	522.626	1.1394	523.675	1.0290	524.724	1.4264
521.601	1.1851	522.651	1.1339	523.700	1.0295	524.749	1.4340
521.626	1.2406	522.676	1.1023	523.725	1.1204	524.774	1.4772
521.651	1.2415	522.701	1.1036	523.750	1.1210	524.799	1.4779
521.676	1.2358	522.726	1.1050	523.775	1.1216	524.824	1.5509
521.701	1.1757	522.751	1.2264	523.800	1.1223	524.849	1.5445
521.726	1.1770	522.776	1.2142	523.825	1.1295	524.874	1.5528
521.751	1.1448	522.801	1.2700	523.850	1.0976	524.899	1.7102
521.776	1.1462	522.826	1.2712	523.875	1.0983	524.924	1.7342
521.801	1.1477	522.851	1.2180	523.900	1.1776	524.949	1.8759
521.826	1.1226	522.875	1.2258	523.925	1.1783	524.974	1.8769
521.851	1.1241	522.901	1.2200	523.950	1.1790	524.999	1.8779
521.876	1.0794	522.926	1.2344	523.975	1.0688	525.024	2.0251
521.901	1.0809	522.950	1.2352	524.000	1.0696	525.049	2.0259
521.926	1.1152	522.975	1.1755	524.025	1.1881	525.074	2.0432
521.951	1.1166	523.000	1.1763	524.050	1.1890	525.099	2.0437
521.976	1.1180	523.025	1.1770	524.075	1.1900	525.124	2.0442
522.001	1.0733	523.050	1.2314	524.100	1.3195	525.149	1.9461
522.026	1.0746	523.075	1.2254	524.125	1.3137	525.174	1.9143
522.051	1.2361	523.100	1.2261	524.150	1.2200	525.199	1.9149
522.076	1.2374	523.125	1.2335	524.175	1.2211	525.224	1.9155
522.101	1.2385	523.150	1.2274	524.200	1.2223	525.249	1.9729
522.126	1.0925	523.175	1.4080	524.225	1.2101	525.274	1.9738
522.151	1.0870	523.200	1.4086	524.250	1.2113	525.299	2.0076
522.176	1.1673	523.225	1.2632	524.275	1.2259	525.324	2.0086
522.201	1.1681	523.250	1.2298	524.300	1.2271	525.349	2.0097
522.226	1.1688	523.275	1.2304	524.325	1.2283	525.374	2.0689
522.251	1.0965	523.300	1.2445	524.350	1.3520	525.399	2.0700
522.276	1.0969	523.325	1.2451	524.375	1.3532	525.424	2.0047
522.301	1.1434	523.350	1.3768	524.400	1.3682	525.449	2.0057
522.326	1.1435	523.375	1.3775	524.425	1.3694	525.474	2.0148
522.351	1.1435	523.400	1.3782	524.450	1.3016	525.499	2.1244
522.376	1.0842	523.425	1.0821	524.475	1.3026	525.524	2.1167
522.401	1.0841	523.450	1.0763	524.500	1.3034	525.549	2.1090
522.426	1.0000	523.475	1.0576	524.525	1.3453	525.574	2.1014
522.451	0.9999	523.500	1.0581	524.550	1.3460	525.599	2.1106
522.476	0.9999	523.525	1.0586	524.575	1.3605	525.624	2.0196
522.501	1.0449	523.550	1.0334	524.600	1.3541	525.649	2.0204
522.526	1.0451	523.575	1.0337	524.625	1.3616	525.674	1.9157
522.551	1.1107	523.600	1.0341	524.650	1.4390	525.699	1.9165
522.576	1.1113	523.625	1.0345	524.675	1.4395	525.724	1.9173



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
525.749	1.8078	526.798	1.8487	527.848	1.4894	528.897	1.1888
525.774	1.8084	526.823	1.8494	527.873	1.4896	528.922	1.1831
525.799	1.7322	526.848	1.7809	527.898	1.4760	528.947	1.1773
525.824	1.7326	526.873	1.7817	527.923	1.4762	528.972	1.1779
525.849	1.7329	526.898	1.6477	527.948	1.5184	528.997	1.2232
525.874	1.7331	526.923	1.6412	527.973	1.5188	529.022	1.2238
525.899	1.7333	526.948	1.6420	527.998	1.5193	529.047	1.2244
525.924	1.8103	526.973	1.5702	528.023	1.4849	529.072	1.1931
525.949	1.8105	526.998	1.5711	528.048	1.4786	529.097	1.1937
525.974	1.8107	527.023	1.6226	528.073	1.5425	529.122	1.1817
525.999	1.8111	527.048	1.6234	528.098	1.5434	529.147	1.1825
526.024	1.8115	527.073	1.6243	528.123	1.5444	529.172	1.1770
526.049	1.8746	527.098	1.4544	528.148	1.5809	529.197	1.1590
526.074	1.8751	527.123	1.4551	528.173	1.5891	529.222	1.1601
526.099	1.9394	527.148	1.3939	528.198	1.5122	529.247	1.2119
526.124	1.9401	527.173	1.3945	528.222	1.5272	529.272	1.2131
526.149	1.9407	527.198	1.3951	528.247	1.5282	529.297	1.2143
526.174	1.7081	527.223	1.3685	528.272	1.4872	529.322	1.1901
526.199	1.7085	527.248	1.3690	528.297	1.4880	529.347	1.1913
526.224	1.6721	527.273	1.2103	528.322	1.4269	529.372	1.2179
526.249	1.6730	527.298	1.2107	528.347	1.4277	529.397	1.2125
526.274	1.6739	527.323	1.2177	528.372	1.4286	529.422	1.2391
526.299	1.7578	527.348	1.2639	528.397	1.3417	529.447	1.2400
526.323	1.7589	527.373	1.2513	528.422	1.3425	529.472	1.2408
526.349	1.8606	527.398	1.3248	528.447	1.4515	529.497	1.1841
526.374	1.8619	527.423	1.3255	528.472	1.4522	529.522	1.1848
526.398	1.8633	527.448	1.3263	528.497	1.3915	529.547	1.2171
526.424	1.8961	527.473	1.3474	528.522	1.3920	529.572	1.2177
526.448	1.8896	527.498	1.3551	528.547	1.3925	529.597	1.2182
526.473	1.8909	527.523	1.4037	528.572	1.3593	529.622	1.1305
526.498	1.8922	527.548	1.4047	528.597	1.3596	529.647	1.1310
526.523	1.8935	527.573	1.4058	528.622	1.2740	529.672	0.9971
526.548	1.7935	527.598	1.4549	528.647	1.2743	529.697	0.9976
526.573	1.7946	527.623	1.4559	528.672	1.2746	529.722	0.9980
526.598	1.8653	527.648	1.5338	528.697	1.3209	529.747	1.0165
526.623	1.8741	527.673	1.5205	528.722	1.3213	529.772	1.0170
526.648	1.8751	527.698	1.4240	528.747	1.2888	529.797	1.0843
526.673	1.8447	527.723	1.4247	528.772	1.2893	529.822	1.0848
526.698	1.8533	527.748	1.4254	528.797	1.2898	529.847	1.0914
526.723	1.9329	527.773	1.4742	528.822	1.2578	529.872	1.0857
526.748	1.9337	527.798	1.4817	528.847	1.2519	529.897	1.0923
526.773	1.9345	527.823	1.4890	528.872	1.1882	529.922	1.1113



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
529.947	1.1118	530.996	1.1539	532.045	1.2408	533.095	1.2279
529.971	1.1123	531.021	1.1420	532.070	1.2292	533.120	1.2040
529.996	1.1878	531.046	1.1488	532.095	1.2304	533.145	1.2049
530.021	1.1821	531.071	1.1433	532.120	1.2317	533.170	1.2059
530.046	1.1264	531.096	1.2128	532.145	1.2331	533.195	1.1517
530.071	1.1269	531.121	1.2136	532.170	1.2345	533.220	1.1527
530.096	1.1275	531.146	1.1957	532.195	1.2612	533.245	1.1659
530.121	1.2032	531.171	1.1904	532.220	1.2626	533.270	1.1668
530.146	1.1974	531.196	1.2039	532.245	1.2639	533.295	1.1676
530.171	1.1853	531.221	1.2049	532.270	1.2714	533.320	1.2237
530.196	1.1858	531.246	1.2058	532.295	1.2787	533.345	1.2243
530.221	1.1737	531.271	1.2066	532.320	1.2923	533.370	1.2937
530.246	1.1742	531.296	1.2073	532.345	1.2930	533.395	1.2939
530.271	1.1747	531.321	1.2078	532.370	1.2935	533.420	1.2941
530.296	1.2837	531.346	1.2908	532.395	1.4303	533.445	1.3068
530.321	1.2779	531.371	1.2910	532.420	1.4372	533.470	1.3068
530.346	1.3175	531.396	1.2720	532.445	1.2566	533.494	1.1882
530.371	1.3183	531.421	1.2656	532.470	1.2569	533.519	1.1882
530.396	1.3191	531.446	1.2656	532.495	1.2572	533.544	1.1034
530.421	1.3133	531.471	1.2592	532.520	1.3019	533.569	1.1036
530.446	1.3142	531.496	1.2529	532.545	1.3022	533.594	1.1039
530.471	1.4075	531.521	1.2466	532.570	1.3996	533.619	1.0567
530.496	1.4084	531.546	1.2469	532.595	1.4000	533.644	1.0573
530.521	1.4093	531.571	1.2473	532.620	1.4005	533.669	0.9645
530.546	1.3506	531.596	1.1417	532.645	1.2912	533.694	0.9652
530.571	1.3515	531.621	1.1304	532.670	1.2981	533.719	0.9659
530.596	1.3197	531.646	1.2060	532.695	1.3435	533.744	0.9264
530.621	1.3206	531.671	1.2012	532.720	1.3440	533.769	0.9271
530.646	1.3215	531.695	1.2028	532.745	1.4162	533.794	0.9794
530.671	1.4283	531.721	1.2676	532.770	1.4168	533.819	0.9801
530.696	1.4293	531.745	1.2692	532.795	1.4173	533.844	0.9807
530.721	1.2726	531.770	1.2771	532.820	1.3851	533.869	0.9698
530.746	1.2735	531.795	1.2785	532.845	1.3857	533.894	0.9705
530.771	1.2744	531.820	1.3246	532.870	1.2332	533.919	0.9713
530.796	1.1428	531.845	1.3256	532.895	1.2338	533.944	0.9721
530.821	1.1374	531.870	1.3263	532.920	1.2345	533.969	0.9729
530.846	1.1630	531.895	1.3076	532.945	1.2919	533.994	0.9451
530.871	1.1637	531.920	1.3080	532.970	1.2927	534.019	0.9460
530.896	1.1643	531.945	1.2510	532.995	1.2682	534.044	0.9470
530.921	1.1400	531.970	1.2515	533.020	1.2691	534.069	0.9479
530.946	1.1405	531.995	1.2520	533.045	1.2699	534.094	0.9488
530.971	1.1534	532.020	1.2400	533.070	1.2270	534.119	1.0189



Table 1. Low Resolution Absorption Cross Section from 450-650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
534.144	1.0139	535.194	0.7196	536.243	0.6009	537.292	0.5753
534.169	1.1209	535.219	0.6526	536.268	0.7152	537.317	0.6521
534.194	1.1216	535.243	0.6543	536.293	0.7152	537.342	0.6578
534.219	1.1221	535.268	0.6299	536.318	0.7310	537.367	0.6688
534.244	1.0691	535.294	0.6315	536.343	0.7311	537.392	0.6643
534.269	1.0696	535.318	0.6330	536.368	0.7312	537.417	0.6651
534.294	0.9825	535.343	0.5472	536.393	0.6946	537.442	0.6097
534.319	0.9830	535.368	0.5484	536.418	0.6950	537.467	0.6107
534.344	0.9319	535.393	0.5393	536.443	0.6332	537.492	0.6118
534.369	0.9325	535.418	0.5402	536.468	0.6288	537.517	0.6281
534.394	0.9331	535.443	0.5409	536.493	0.6297	537.542	0.6140
534.419	0.9224	535.468	0.5720	536.518	0.6669	537.567	0.5696
534.444	0.9232	535.493	0.5726	536.543	0.6680	537.592	0.5706
534.469	0.9581	535.518	0.5783	536.568	0.7215	537.617	0.5716
534.494	0.9589	535.543	0.5839	536.593	0.7226	537.642	0.5725
534.519	0.9597	535.568	0.5845	536.618	0.7290	537.667	0.5884
534.544	1.0008	535.593	0.5646	536.643	0.7354	537.692	0.5891
534.569	1.0015	535.618	0.5651	536.668	0.7364	537.717	0.5898
534.594	1.0023	535.643	0.5253	536.693	0.6382	537.742	0.5653
534.619	1.0029	535.668	0.5308	536.718	0.6391	537.767	0.5658
534.644	1.0036	535.693	0.5314	536.743	0.6400	537.792	0.5614
534.669	0.9015	535.718	0.5878	536.768	0.6152	537.817	0.5619
534.694	0.9019	535.743	0.5884	536.793	0.6161	537.842	0.5625
534.719	0.8300	535.768	0.6250	536.818	0.5613	537.867	0.6388
534.744	0.8303	535.793	0.6308	536.843	0.5623	537.892	0.6394
534.769	0.8305	535.818	0.6316	536.867	0.5784	537.917	0.5644
534.794	0.8527	535.843	0.6272	536.893	0.5794	537.942	0.5651
534.819	0.8528	535.868	0.6332	536.918	0.5803	537.967	0.5659
534.844	0.8695	535.893	0.5624	536.943	0.5410	537.992	0.6171
534.869	0.8695	535.918	0.5632	536.968	0.5418	538.017	0.6181
534.894	0.8696	535.943	0.5539	536.992	0.5276	538.042	0.6959
534.919	0.8143	535.968	0.5902	537.017	0.5431	538.067	0.6968
534.944	0.8144	535.993	0.5910	537.042	0.5335	538.092	0.6978
534.969	0.7981	536.018	0.5765	537.067	0.5588	538.117	0.8520
534.994	0.8148	536.043	0.5772	537.092	0.5590	538.142	0.8637
535.019	0.7987	536.068	0.5425	537.117	0.5591	538.167	0.9355
535.044	0.8321	536.093	0.5431	537.142	0.5592	538.192	0.9362
535.069	0.8328	536.118	0.5437	537.167	0.5592	538.217	0.9367
535.094	0.7953	536.143	0.5897	537.192	0.5694	538.242	0.9761
535.119	0.7908	536.168	0.5850	537.217	0.5695	538.267	0.9765
535.144	0.7167	536.193	0.6006	537.242	0.5747	538.292	0.8669
535.169	0.7180	536.218	0.6008	537.267	0.5750	538.317	0.8673



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
538.342	0.8678	539.391	1.1350	540.441	0.5881	541.490	0.6836
538.367	0.8412	539.416	1.1355	540.466	0.5887	541.515	0.6846
538.392	0.8364	539.441	1.1360	540.491	0.5892	541.540	0.6907
538.417	0.8801	539.466	1.0394	540.516	0.6046	541.565	0.6967
538.442	0.8807	539.491	1.0398	540.541	0.6052	541.590	0.6927
538.467	0.9305	539.516	1.0854	540.565	0.5812	541.615	0.7960
538.492	0.9312	539.541	1.0799	540.590	0.5820	541.640	0.7968
538.517	0.9318	539.566	1.0857	540.615	0.5830	541.665	0.7976
538.542	1.0729	539.591	1.0405	540.640	0.5743	541.690	0.7983
538.567	1.0736	539.616	1.0463	540.665	0.5806	541.715	0.7988
538.592	1.1614	539.641	0.9028	540.690	0.5186	541.740	0.9476
538.617	1.1563	539.666	0.9030	540.715	0.5202	541.765	0.9425
538.642	1.1631	539.691	0.9032	540.740	0.5218	541.790	1.0861
538.667	1.1465	539.716	0.7968	540.765	0.4945	541.815	1.0863
538.692	1.1476	539.741	0.7971	540.790	0.4960	541.840	1.0865
538.717	1.0737	539.766	0.8398	540.815	0.5166	541.865	1.0255
538.742	1.0749	539.791	0.8456	540.840	0.5275	541.890	1.0259
538.766	1.0762	539.816	0.8461	540.865	0.5285	541.915	0.9988
538.792	0.9927	539.841	0.7883	540.890	0.5536	541.940	0.9939
538.816	0.9940	539.866	0.7887	540.915	0.5541	541.965	0.9946
538.841	0.9508	539.891	0.8260	540.940	0.5739	541.990	1.1066
538.866	0.9575	539.916	0.8263	540.965	0.5789	542.015	1.1074
538.891	0.9587	539.941	0.8266	540.990	0.5984	542.040	1.0690
538.916	0.9597	539.966	0.8375	541.015	0.5981	542.065	1.0698
538.941	0.9606	539.991	0.8378	541.040	0.5978	542.090	1.0707
538.966	0.8794	540.016	0.7436	541.065	0.6073	542.115	0.9887
538.991	0.8802	540.041	0.7439	541.090	0.6070	542.140	0.9895
539.016	0.8808	540.066	0.7442	541.115	0.6215	542.165	0.9902
539.041	0.8923	540.091	0.7445	541.140	0.6214	542.190	0.9909
539.066	0.8928	540.116	0.7449	541.165	0.6213	542.215	0.9914
539.091	0.9922	540.141	0.7454	541.190	0.6363	542.240	1.1367
539.116	0.9928	540.166	0.7459	541.215	0.6365	542.265	1.1371
539.141	0.9933	540.191	0.7829	541.240	0.6468	542.290	1.1659
539.166	1.0161	540.216	0.7837	541.265	0.6472	542.315	1.1662
539.191	1.0166	540.241	0.7845	541.290	0.6527	542.340	1.1664
539.216	0.9450	540.266	0.7283	541.315	0.6532	542.364	1.0539
539.241	0.9455	540.291	0.7293	541.340	0.6538	542.389	1.0597
539.266	0.9461	540.316	0.6640	541.365	0.6896	542.414	1.2075
539.291	1.0188	540.341	0.6649	541.390	0.6903	542.439	1.2136
539.316	1.0193	540.366	0.6658	541.415	0.6911	542.464	1.2082
539.341	1.1396	540.391	0.5966	541.440	0.7944	542.489	1.2553
539.366	1.1402	540.416	0.5974	541.465	0.8005	542.514	1.2558



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

542.539	1.1924	543.589	1.1985	544.638	0.9101	545.688	1.1137
542.564	1.1930	543.614	1.2047	544.663	0.9053	545.713	1.1091
542.589	1.2051	543.639	1.1596	544.688	0.9588	545.738	1.0935
542.614	1.2058	543.664	1.1601	544.713	0.9594	545.763	1.0943
542.639	1.2064	543.689	1.1606	544.738	0.9601	545.788	1.0950
542.664	1.1725	543.714	1.2414	544.763	1.0308	545.813	1.1343
542.689	1.1732	543.739	1.2419	544.788	1.0315	545.838	1.1348
542.714	1.0946	543.764	1.2021	544.813	0.9998	545.862	1.0151
542.739	1.0953	543.789	1.2026	544.838	1.0005	545.887	1.0155
542.764	1.0960	543.814	1.2031	544.863	1.0012	545.912	0.9784
542.789	1.1080	543.839	1.1750	544.888	1.0672	545.937	0.9788
542.814	1.1088	543.864	1.1755	544.913	1.0680	545.962	0.9791
542.839	1.1096	543.889	1.1476	544.938	1.0962	545.987	0.9425
542.864	1.1104	543.914	1.1423	544.963	1.0970	546.012	0.9430
542.889	1.1112	543.939	1.1427	544.988	1.0978	546.037	0.9070
542.914	1.1515	543.964	1.0816	545.013	1.0382	546.062	0.9076
542.939	1.1522	543.989	1.0874	545.038	1.0389	546.087	0.9083
542.964	1.2566	544.014	1.0932	545.063	1.0998	546.112	0.9248
542.989	1.2572	544.039	1.0768	545.088	1.0948	546.137	0.9256
543.014	1.2577	544.063	1.0714	545.113	1.1620	546.162	0.8953
543.039	1.2348	544.089	1.0061	545.138	1.1567	546.187	0.8910
543.064	1.2411	544.113	1.0064	545.163	1.1626	546.212	0.8919
543.089	1.2531	544.138	0.9797	545.188	1.1740	546.237	0.9084
543.114	1.2535	544.163	0.9801	545.213	1.1741	546.262	0.9145
543.139	1.2540	544.188	0.9806	545.238	1.2541	546.287	0.9415
543.164	1.2081	544.213	1.0191	545.263	1.2542	546.312	0.9423
543.189	1.2087	544.238	1.0197	545.288	1.2544	546.337	0.9431
543.214	1.1864	544.263	1.0368	545.313	1.4684	546.362	0.9126
543.239	1.1929	544.288	1.0431	545.338	1.4749	546.387	0.9135
543.264	1.1881	544.313	1.0549	545.363	1.4448	546.412	0.9773
543.289	1.3292	544.338	1.0393	545.388	1.4453	546.437	0.9889
543.314	1.3302	544.363	1.0400	545.413	1.4459	546.462	0.9793
543.339	1.4034	544.388	1.0136	545.438	1.3863	546.487	0.9698
543.364	1.3923	544.413	1.0142	545.463	1.3870	546.512	0.9815
543.389	1.4054	544.438	0.9185	545.488	1.3110	546.537	0.9405
543.414	1.2401	544.463	0.9189	545.513	1.3118	546.562	0.9417
543.439	1.2409	544.488	0.9139	545.538	1.3127	546.587	0.9427
543.464	1.1387	544.513	0.8984	545.563	1.2729	546.612	0.8407
543.489	1.1338	544.538	0.8985	545.588	1.2738	546.637	0.8416
543.514	1.1288	544.563	0.9197	545.613	1.1497	546.662	0.7570
543.539	1.1294	544.588	0.9200	545.638	1.1507	546.687	0.7577
543.564	1.1299	544.613	0.9202	545.663	1.1516	546.712	0.7632



Table 1. Low Resolution Absorption Cross Section from 450-650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
546.737	0.7094	547.786	1.1356	548.836	1.1849	549.885	0.9984
546.762	0.7097	547.811	1.1365	548.861	1.1907	549.910	0.9993
546.787	0.7742	547.836	1.0721	548.886	1.1362	549.935	0.9129
546.812	0.7844	547.861	1.0730	548.911	1.1421	549.960	0.9140
546.837	0.7448	547.886	1.1666	548.936	1.0037	549.985	0.8596
546.862	0.7450	547.911	1.1674	548.961	1.0043	550.010	0.8606
546.887	0.7452	547.936	1.1683	548.986	1.0050	550.035	0.8615
546.912	0.7852	547.961	1.2191	549.011	1.0427	550.060	0.8623
546.937	0.7855	547.986	1.2199	549.036	1.0435	550.085	0.8631
546.962	0.7658	548.011	1.0885	549.061	0.9969	550.110	0.8587
546.987	0.7612	548.036	1.0891	549.086	0.9977	550.135	0.8295
547.012	0.7665	548.061	1.0895	549.111	0.9984	550.160	0.8200
547.037	0.7175	548.086	1.0576	549.136	0.9782	550.185	0.8205
547.062	0.7179	548.111	1.0632	549.161	0.9787	550.210	0.8606
547.087	0.8581	548.136	1.1281	549.186	1.0421	550.235	0.8611
547.112	0.8585	548.161	1.1336	549.211	1.0424	550.260	0.8615
547.137	0.8639	548.186	1.1280	549.236	1.1718	550.285	0.8621
547.162	0.8693	548.211	1.0522	549.261	1.1720	550.310	0.8627
547.187	0.8644	548.236	1.0520	549.286	1.1721	550.335	0.8484
547.212	0.8800	548.261	1.0573	549.311	1.1504	550.360	0.8641
547.237	0.8751	548.286	1.0626	549.336	1.1451	550.385	0.8549
547.262	0.8754	548.311	1.0628	549.361	1.1727	550.410	0.8062
547.287	0.7747	548.336	1.0792	549.385	1.1731	550.435	0.8070
547.312	0.7750	548.361	1.0798	549.411	1.1737	550.460	0.7880
547.337	0.8507	548.386	1.1457	549.435	1.2296	550.485	0.7935
547.362	0.8511	548.411	1.1467	549.460	1.2304	550.510	0.7890
547.387	0.8515	548.436	1.0611	549.485	1.1596	550.535	0.8385
547.412	1.1318	548.461	1.0678	549.510	1.1659	550.560	0.8337
547.437	1.1268	548.486	1.0692	549.535	1.1613	550.585	0.8486
547.462	1.1549	548.511	1.0281	549.560	1.0546	550.610	0.8435
547.487	1.1554	548.536	1.0296	549.585	1.0554	550.635	0.8434
547.512	1.1449	548.561	0.9577	549.610	1.0507	550.660	0.7938
547.537	1.1126	548.586	0.9591	549.635	1.0513	550.685	0.7887
547.562	1.1132	548.611	0.9604	549.660	1.0517	550.710	0.7544
547.587	1.0274	548.636	0.9720	549.685	1.0100	550.735	0.7542
547.612	1.0280	548.661	0.9678	549.710	1.0103	550.760	0.7540
547.636	1.0446	548.686	0.9016	549.735	0.9846	550.785	0.7734
547.661	1.0399	548.711	0.9073	549.760	0.9849	550.810	0.7734
547.686	1.0405	548.736	0.9078	549.785	0.9853	550.835	0.7444
547.711	1.0681	548.761	1.0329	549.810	0.9754	550.860	0.7494
547.736	1.0688	548.786	1.0332	549.835	0.9864	550.885	0.7739
547.761	1.1348	548.811	1.1902	549.860	0.9975	550.910	0.7742



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
550.935	0.7745	551.984	0.7128	553.033	0.7682	554.083	0.8072
550.960	0.7749	552.009	0.7089	553.058	0.9808	554.108	0.8513
550.984	0.7754	552.034	0.7098	553.083	0.9807	554.133	0.8516
551.010	0.7954	552.059	0.7108	553.108	1.1475	554.158	0.7652
551.035	0.7911	552.084	0.7118	553.133	1.1528	554.183	0.7609
551.060	0.7966	552.109	0.7129	553.158	1.1528	554.208	0.7236
551.085	0.7973	552.134	0.6997	553.183	0.9909	554.233	0.7195
551.109	0.7932	552.159	0.6960	553.208	0.9860	554.258	0.7201
551.134	0.7310	552.184	0.6639	553.233	0.8708	554.283	0.7824
551.159	0.7365	552.209	0.6648	553.258	0.8712	554.308	0.7830
551.184	0.7372	552.234	0.6654	553.283	0.8717	554.333	0.7837
551.209	0.6852	552.259	0.6660	553.308	0.9726	554.358	0.7843
551.234	0.6855	552.284	0.6663	553.333	0.9733	554.383	0.7849
551.259	0.6293	552.309	0.6901	553.358	1.0407	554.408	0.7521
551.284	0.6199	552.334	0.6902	553.383	1.0416	554.433	0.7527
551.309	0.6198	552.359	0.6950	553.408	1.0013	554.458	0.7295
551.334	0.6522	552.384	0.7425	553.433	1.0023	554.483	0.7253
551.359	0.6471	552.409	0.7426	553.458	1.0032	554.508	0.7257
551.384	0.6561	552.434	0.8593	553.483	0.9183	554.533	0.7449
551.409	0.6557	552.459	0.8594	553.508	0.9193	554.558	0.7453
551.434	0.6601	552.484	0.8744	553.533	0.8905	554.583	0.7457
551.459	0.6505	552.509	0.8746	553.558	0.8915	554.608	0.7461
551.484	0.6504	552.534	0.8749	553.583	0.8925	554.633	0.7465
551.509	0.6317	552.559	0.9000	553.608	0.8199	554.658	0.6953
551.534	0.6318	552.584	0.9003	553.633	0.8208	554.682	0.6957
551.559	0.6322	552.609	0.7924	553.658	0.7165	554.708	0.7148
551.584	0.6140	552.634	0.7928	553.683	0.7173	554.732	0.7152
551.609	0.6193	552.659	0.7884	553.708	0.7180	554.757	0.7156
551.634	0.6433	552.684	0.7744	553.733	0.6952	554.782	0.6463
551.659	0.6442	552.709	0.7703	553.758	0.7005	554.807	0.6466
551.684	0.6876	552.734	0.7904	553.783	0.7105	554.832	0.5876
551.709	0.6886	552.759	0.7912	553.808	0.7111	554.857	0.5877
551.734	0.6850	552.784	0.7921	553.833	0.7116	554.882	0.5878
551.759	0.7051	552.809	0.7354	553.858	0.7264	554.907	0.5833
551.784	0.7061	552.834	0.7316	553.883	0.7222	554.932	0.5833
551.809	0.7024	552.859	0.7659	553.908	0.7751	554.957	0.5833
551.834	0.7034	552.883	0.7618	553.933	0.7756	554.982	0.5833
551.859	0.7090	552.909	0.7624	553.958	0.7762	555.007	0.5475
551.884	0.6956	552.933	0.8014	553.983	0.8346	555.032	0.5476
551.909	0.6963	552.958	0.7969	554.008	0.8302	555.057	0.5477
551.934	0.7113	552.983	0.7729	554.033	0.8065	555.082	0.5569
551.959	0.7121	553.008	0.7682	554.058	0.8069	555.107	0.5573



Table 1. Low Resolution Absorption Cross Section from 450-650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
555.132	0.5087	556.182	0.3826	557.231	0.4529	558.280	0.5617
555.157	0.5135	556.207	0.3827	557.256	0.4538	558.305	0.5619
555.182	0.5095	556.232	0.3829	557.281	0.4546	558.330	0.5358
555.207	0.5099	556.257	0.4086	557.306	0.4512	558.355	0.5363
555.232	0.5103	556.282	0.4089	557.331	0.4563	558.380	0.5369
555.257	0.5284	556.307	0.4136	557.356	0.4656	558.405	0.4983
555.282	0.5288	556.332	0.4183	557.381	0.4663	558.430	0.4991
555.307	0.5292	556.357	0.4146	557.406	0.4669	558.455	0.4868
555.332	0.5385	556.382	0.4153	557.431	0.4588	558.480	0.4876
555.357	0.5389	556.407	0.4203	557.456	0.4592	558.505	0.4883
555.382	0.5707	556.432	0.4643	557.481	0.4424	558.530	0.4889
555.407	0.5712	556.457	0.4652	557.506	0.4427	558.555	0.4894
555.432	0.5718	556.481	0.4661	557.531	0.4688	558.580	0.4511
555.457	0.5057	556.506	0.4670	557.556	0.4690	558.605	0.4515
555.482	0.5108	556.531	0.4678	557.581	0.4693	558.630	0.4519
555.507	0.5072	556.556	0.4297	557.606	0.5305	558.655	0.4351
555.532	0.5079	556.581	0.4303	557.631	0.5309	558.680	0.4354
555.557	0.5087	556.606	0.4308	557.656	0.4233	558.705	0.4061
555.582	0.5360	556.631	0.5268	557.681	0.4237	558.730	0.4023
555.607	0.5368	556.656	0.5271	557.706	0.4241	558.755	0.4027
555.632	0.5418	556.681	0.4791	557.731	0.4161	558.780	0.4243
555.657	0.5468	556.706	0.4793	557.756	0.4166	558.805	0.4248
555.682	0.5472	556.731	0.5100	557.781	0.4469	558.830	0.4509
555.707	0.4944	556.756	0.5102	557.806	0.4473	558.855	0.4556
555.732	0.4990	556.781	0.5105	557.831	0.4477	558.880	0.4518
555.757	0.4771	556.806	0.4977	557.856	0.4567	558.905	0.3929
555.782	0.4728	556.831	0.4981	557.881	0.4656	558.930	0.3932
555.807	0.4122	556.856	0.4509	557.906	0.4488	558.955	0.4102
555.832	0.4080	556.881	0.4514	557.931	0.4491	558.980	0.4061
555.857	0.4081	556.906	0.4520	557.956	0.4493	559.005	0.4104
555.882	0.4041	556.931	0.4354	557.981	0.4582	559.030	0.4019
555.907	0.4044	556.956	0.4361	558.006	0.4583	559.055	0.4018
555.932	0.3963	556.981	0.4239	558.031	0.4930	559.080	0.4185
555.957	0.3968	557.006	0.4288	558.056	0.4887	559.105	0.4184
555.982	0.3973	557.031	0.4252	558.081	0.4886	559.130	0.3930
556.007	0.4450	557.056	0.4387	558.105	0.4972	559.155	0.3929
556.032	0.4455	557.081	0.4394	558.131	0.4970	559.180	0.3929
556.057	0.4201	557.106	0.4703	558.156	0.4924	559.205	0.3555
556.082	0.4204	557.131	0.4711	558.180	0.4878	559.230	0.3558
556.107	0.4206	557.156	0.4719	558.206	0.4919	559.255	0.3190
556.132	0.3909	557.181	0.4814	558.230	0.5397	559.280	0.3196
556.157	0.3910	557.206	0.4822	558.255	0.5352	559.305	0.3204



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

559.330	0.2968	560.379	0.3736	561.429	0.5044	562.478	0.5288
559.355	0.2980	560.404	0.3740	561.454	0.5048	562.503	0.5292
559.380	0.2993	560.429	0.3701	561.479	0.4838	562.528	0.5252
559.405	0.3008	560.454	0.3621	561.504	0.4844	562.553	0.5254
559.430	0.3024	560.479	0.3581	561.529	0.4680	562.578	0.5341
559.455	0.2837	560.504	0.4418	561.554	0.4686	562.603	0.5343
559.480	0.2854	560.529	0.4546	561.579	0.4693	562.628	0.5345
559.505	0.3074	560.554	0.4888	561.604	0.4999	562.653	0.5563
559.530	0.3090	560.579	0.4889	561.629	0.4963	562.678	0.5567
559.555	0.3106	560.604	0.4933	561.654	0.5358	562.703	0.6803
559.580	0.3283	560.629	0.4382	561.679	0.5365	562.728	0.6808
559.605	0.3295	560.654	0.4384	561.704	0.5372	562.753	0.6814
559.630	0.3552	560.679	0.4302	561.729	0.5206	562.778	0.6819
559.655	0.3518	560.704	0.4304	561.753	0.5212	562.803	0.6825
559.680	0.3524	560.729	0.4012	561.779	0.5432	562.828	0.6252
559.705	0.3860	560.754	0.4014	561.803	0.5436	562.853	0.6256
559.730	0.3862	560.779	0.3973	561.828	0.5438	562.878	0.6260
559.755	0.3697	560.804	0.4393	561.853	0.5744	562.903	0.6750
559.780	0.3738	560.829	0.4393	561.878	0.5701	562.928	0.6752
559.805	0.3695	560.854	0.4477	561.903	0.5788	562.953	0.6753
559.830	0.3651	560.879	0.4475	561.928	0.5787	562.978	0.6753
559.854	0.3607	560.904	0.4558	561.953	0.5786	563.003	0.6753
559.880	0.3688	560.929	0.4600	561.978	0.5438	563.028	0.6798
559.905	0.3685	560.954	0.4599	562.003	0.5438	563.053	0.6844
559.930	0.3683	560.979	0.4770	562.028	0.5137	563.078	0.7479
559.955	0.3392	561.004	0.4728	562.053	0.5138	563.103	0.7483
559.979	0.3391	561.029	0.4774	562.078	0.5140	563.128	0.7533
560.004	0.3227	561.054	0.4565	562.103	0.5749	563.153	0.7631
560.029	0.3228	561.079	0.4569	562.128	0.5710	563.178	0.7593
560.054	0.3148	561.104	0.4575	562.153	0.5454	563.203	0.6655
560.079	0.3150	561.129	0.4496	562.178	0.5459	563.228	0.6665
560.104	0.3154	561.154	0.4501	562.203	0.5465	563.253	0.6675
560.129	0.3404	561.179	0.4719	562.228	0.5342	563.278	0.6818
560.154	0.3408	561.204	0.4723	562.253	0.5350	563.303	0.6739
560.179	0.4245	561.229	0.5112	562.278	0.5186	563.328	0.7016
560.204	0.4208	561.254	0.5115	562.303	0.5194	563.353	0.7024
560.229	0.4255	561.279	0.5117	562.328	0.5203	563.378	0.7166
560.254	0.4301	561.304	0.5291	562.353	0.5384	563.403	0.7172
560.279	0.4264	561.329	0.5293	562.378	0.5349	563.428	0.7177
560.304	0.4184	561.354	0.5036	562.403	0.5228	563.453	0.7955
560.329	0.4188	561.379	0.5038	562.428	0.5235	563.478	0.7958
560.354	0.4192	561.404	0.5083	562.453	0.5241	563.503	0.8377



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
563.528	0.8378	564.577	1.1153	565.626	0.8397	566.676	0.4087
563.552	0.8378	564.602	1.1161	565.651	0.8404	566.701	0.4294
563.577	0.8942	564.627	1.0620	565.676	0.7906	566.726	0.4214
563.602	0.8895	564.652	1.0626	565.701	0.7960	566.751	0.4216
563.628	0.9902	564.677	1.0731	565.726	0.7785	566.776	0.4673
563.652	0.9853	564.702	1.0735	565.751	0.7794	566.801	0.4676
563.677	0.9854	564.727	1.0739	565.776	0.7620	566.826	0.4307
563.702	0.9373	564.752	1.1190	565.801	0.7628	566.851	0.4309
563.727	0.9327	564.777	1.1191	565.826	0.7635	566.876	0.4312
563.752	1.0054	564.802	1.0545	565.851	0.7101	566.901	0.4069
563.777	1.0057	564.827	1.0544	565.876	0.7061	566.926	0.4072
563.802	1.0059	564.852	1.0543	565.901	0.6185	566.951	0.4404
563.827	1.1304	564.877	1.0393	565.926	0.6189	566.976	0.4407
563.852	1.1308	564.902	1.0341	565.951	0.6192	567.001	0.4410
563.877	1.2181	564.927	0.9562	565.976	0.5336	567.026	0.3800
563.902	1.2185	564.952	0.9559	566.001	0.5339	567.050	0.3845
563.927	1.2189	564.977	0.8610	566.026	0.5216	567.076	0.3971
563.952	1.0973	565.002	0.8608	566.051	0.5305	567.100	0.3975
563.977	1.0978	565.027	0.8607	566.076	0.5310	567.125	0.3939
564.002	0.9753	565.052	0.9030	566.101	0.4684	567.150	0.3903
564.027	0.9758	565.077	0.9030	566.126	0.4689	567.175	0.3908
564.052	0.9763	565.102	0.8844	566.151	0.4777	567.200	0.3833
564.077	0.7930	565.127	0.8846	566.176	0.4782	567.225	0.3838
564.102	0.7934	565.152	0.8850	566.201	0.4744	567.250	0.3844
564.127	0.7663	565.177	0.7743	566.226	0.4457	567.275	0.3849
564.152	0.7620	565.202	0.7792	566.251	0.4460	567.300	0.3855
564.177	0.8172	565.227	0.7524	566.276	0.4338	567.325	0.3941
564.202	0.8173	565.252	0.7528	566.301	0.4340	567.350	0.3945
564.227	0.8219	565.276	0.7531	566.326	0.4341	567.375	0.3949
564.252	0.7530	565.301	0.7534	566.351	0.4015	567.400	0.4774
564.277	0.7574	565.326	0.7537	566.376	0.4017	567.425	0.4777
564.302	0.7801	565.351	0.7721	566.401	0.4019	567.450	0.6091
564.327	0.7662	565.376	0.7677	566.426	0.4021	567.475	0.6093
564.352	0.7662	565.401	0.7724	566.451	0.4024	567.500	0.6181
564.377	0.9151	565.426	0.7771	566.476	0.3580	567.525	0.6183
564.402	0.9153	565.451	0.7819	566.501	0.3623	567.550	0.6185
564.427	1.0463	565.476	0.7821	566.526	0.3465	567.575	0.5799
564.452	1.0468	565.501	0.7777	566.551	0.3468	567.600	0.5801
564.477	1.0425	565.526	0.7780	566.576	0.3470	567.625	0.5504
564.502	1.2197	565.551	0.8382	566.601	0.3674	567.650	0.5505
564.527	1.2154	565.576	0.8432	566.626	0.3676	567.675	0.5507
564.552	1.1195	565.601	0.8438	566.651	0.4003	567.700	0.5721



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

567.725	0.5722	568.775	0.6597	569.824	0.5033	570.873	0.9099
567.750	0.5853	568.799	0.5696	569.849	0.5622	570.898	1.0135
567.775	0.5898	568.825	0.5695	569.874	0.5624	570.923	1.0136
567.800	0.5901	568.849	0.5695	569.899	0.5668	570.948	1.0765
567.825	0.5861	568.874	0.5064	569.924	0.5796	570.973	1.0769
567.850	0.5864	568.899	0.5022	569.949	0.5797	570.998	1.0774
567.875	0.6039	568.924	0.5022	569.974	0.6355	571.023	0.8517
567.900	0.6043	568.949	0.4982	569.999	0.6356	571.048	0.8525
567.925	0.6045	568.974	0.4942	570.024	0.6272	571.073	0.6926
567.950	0.6307	568.999	0.5446	570.049	0.6274	571.098	0.6936
567.975	0.6353	569.024	0.5491	570.074	0.6277	571.123	0.6903
568.000	0.6355	569.049	0.5535	570.099	0.6367	571.148	0.7663
568.025	0.6358	569.074	0.5580	570.124	0.6285	571.173	0.7674
568.050	0.6405	569.099	0.6135	570.149	0.6592	571.198	0.8586
568.075	0.6149	569.124	0.6136	570.174	0.6596	571.223	0.8594
568.100	0.6154	569.149	0.6136	570.199	0.6601	571.248	0.8602
568.125	0.5988	569.174	0.6092	570.224	0.7263	571.273	0.9022
568.150	0.5995	569.199	0.6091	570.249	0.7267	571.298	0.9074
568.175	0.6002	569.224	0.6132	570.274	0.7670	571.323	0.8619
568.200	0.6965	569.249	0.6131	570.299	0.7673	571.348	0.8623
568.225	0.6972	569.274	0.6129	570.324	0.7676	571.373	0.8673
568.250	0.7155	569.299	0.6603	570.349	0.7189	571.398	0.8631
568.275	0.7161	569.324	0.6603	570.374	0.7191	571.423	0.8634
568.300	0.7791	569.349	0.5701	570.399	0.7016	571.448	0.7914
568.325	0.7841	569.374	0.5702	570.424	0.7017	571.473	0.7917
568.350	0.7844	569.399	0.5703	570.449	0.7019	571.498	0.7920
568.375	0.7399	569.424	0.5494	570.474	0.6890	571.523	0.7744
568.400	0.7402	569.449	0.5539	570.499	0.6893	571.548	0.7790
568.425	0.7405	569.474	0.5457	570.524	0.6505	571.573	0.7436
568.450	0.7408	569.499	0.5460	570.549	0.6509	571.598	0.7436
568.475	0.7457	569.524	0.5463	570.574	0.6513	571.623	0.7702
568.500	0.6536	569.549	0.5762	570.598	0.7214	571.648	0.7702
568.525	0.6542	569.574	0.5765	570.623	0.7216	571.673	0.7700
568.550	0.6766	569.599	0.5767	570.648	0.8109	571.698	0.7743
568.575	0.6817	569.624	0.5769	570.673	0.8109	571.723	0.7741
568.600	0.6825	569.649	0.5771	570.698	0.8108	571.748	0.8097
568.625	0.6267	569.674	0.5226	570.723	0.8790	571.773	0.8095
568.650	0.6274	569.699	0.5186	570.748	0.8787	571.798	0.8094
568.675	0.6280	569.724	0.5231	570.773	0.9295	571.823	0.8774
568.700	0.6286	569.749	0.5233	570.798	0.9291	571.848	0.8774
568.725	0.6333	569.774	0.5236	570.823	0.9149	571.873	0.8093
568.750	0.6596	569.799	0.5030	570.848	0.9100	571.898	0.8094



Table 1 Low Resolution Absorption Cross Section from 450-650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
571.923	0.8096	572.972	0.5530	574.022	0.4597	575.071	0.3428
571.948	0.7608	572.997	0.5116	574.047	0.4763	575.096	0.3427
571.973	0.7611	573.022	0.5117	574.072	0.4768	575.121	0.3976
571.998	0.7838	573.047	0.4913	574.096	0.4489	575.146	0.4013
572.023	0.7843	573.072	0.4914	574.121	0.4494	575.171	0.3970
572.048	0.7849	573.097	0.4915	574.146	0.3937	575.196	0.3849
572.073	0.8033	573.122	0.5832	574.171	0.3942	575.221	0.3847
572.098	0.8039	573.147	0.5833	574.196	0.3986	575.246	0.3649
572.123	0.7555	573.172	0.6089	574.221	0.4029	575.271	0.3650
572.148	0.7561	573.197	0.6091	574.246	0.3952	575.296	0.3653
572.173	0.7567	573.222	0.5840	574.271	0.3756	575.321	0.3344
572.198	0.8880	573.247	0.5465	574.296	0.3757	575.346	0.3349
572.222	0.8884	573.272	0.5467	574.321	0.3759	575.371	0.3083
572.247	0.8477	573.297	0.6312	574.346	0.3563	575.396	0.3090
572.273	0.8480	573.322	0.6313	574.371	0.3642	575.421	0.3097
572.297	0.8482	573.347	0.5848	574.396	0.3761	575.446	0.3104
572.323	0.8894	573.372	0.5849	574.421	0.3761	575.471	0.3110
572.347	0.8895	573.397	0.5850	574.446	0.3761	575.496	0.2730
572.372	0.8483	573.422	0.6105	574.471	0.3682	575.521	0.2735
572.397	0.8483	573.447	0.6107	574.496	0.3682	575.546	0.2740
572.422	0.8075	573.472	0.5771	574.521	0.3760	575.571	0.3324
572.447	0.8074	573.497	0.5773	574.546	0.3760	575.596	0.3327
572.472	0.8072	573.522	0.5776	574.571	0.3759	575.621	0.3722
572.497	0.7403	573.547	0.5156	574.596	0.3758	575.646	0.3725
572.522	0.7401	573.572	0.5037	574.621	0.3756	575.671	0.2985
572.547	0.7665	573.597	0.4674	574.646	0.3637	575.696	0.2987
572.572	0.7665	573.622	0.4640	574.671	0.3635	575.721	0.2989
572.597	0.7665	573.647	0.4688	574.696	0.3634	575.746	0.2531
572.622	0.6616	573.672	0.4533	574.721	0.3633	575.771	0.2570
572.647	0.6618	573.697	0.4541	574.746	0.3554	575.795	0.2801
572.672	0.6621	573.722	0.4670	574.771	0.3515	575.821	0.2764
572.697	0.6625	573.747	0.4719	574.796	0.3634	575.846	0.2804
572.722	0.6630	573.772	0.4725	574.821	0.3557	575.870	0.2576
572.747	0.6464	573.797	0.4854	574.846	0.3482	575.896	0.2539
572.772	0.6470	573.822	0.4859	574.871	0.3485	575.920	0.2351
572.797	0.6648	573.847	0.4863	574.896	0.2905	575.945	0.2354
572.822	0.6654	573.872	0.4866	574.921	0.2910	575.970	0.2357
572.847	0.6659	573.897	0.4868	574.946	0.3147	575.995	0.2361
572.872	0.6277	573.922	0.4505	574.971	0.3151	576.020	0.2365
572.897	0.6281	573.947	0.4507	574.996	0.3154	576.045	0.2256
572.922	0.5525	573.971	0.4590	575.021	0.3507	576.070	0.2223
572.947	0.5486	573.997	0.4593	575.046	0.3508	576.095	0.2227



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

576.120	0.2231	577.170	0.2190	578.219	0.2477	579.269	0.4376
576.145	0.2273	577.195	0.2192	578.244	0.2441	579.294	0.4379
576.170	0.2050	577.220	0.2044	578.269	0.2443	579.318	0.5266
576.195	0.2052	577.245	0.2045	578.294	0.2483	579.343	0.5268
576.220	0.2054	577.270	0.2046	578.319	0.2600	579.369	0.5026
576.245	0.1981	577.295	0.2198	578.344	0.2603	579.393	0.5068
576.270	0.1982	577.320	0.2198	578.369	0.2608	579.418	0.5069
576.295	0.1870	577.345	0.2312	578.394	0.2612	579.443	0.4230
576.320	0.1870	577.370	0.2312	578.419	0.2617	579.468	0.4231
576.345	0.1871	577.395	0.2427	578.444	0.2775	579.493	0.4233
576.370	0.1834	577.420	0.2390	578.469	0.2780	579.518	0.4234
576.395	0.1872	577.445	0.2392	578.494	0.2785	579.543	0.4158
576.420	0.2210	577.470	0.2207	578.519	0.3019	579.568	0.4240
576.445	0.2211	577.495	0.2211	578.544	0.3061	579.593	0.4243
576.470	0.1874	577.520	0.1805	578.569	0.3372	579.618	0.3970
576.495	0.1875	577.545	0.1812	578.594	0.3374	579.643	0.3974
576.520	0.1876	577.570	0.1782	578.619	0.3376	579.668	0.3978
576.545	0.2103	577.595	0.1977	578.644	0.3376	579.693	0.4337
576.570	0.2143	577.620	0.1948	578.669	0.3376	579.718	0.4340
576.595	0.1882	577.645	0.2032	578.694	0.3647	579.743	0.4146
576.620	0.1885	577.669	0.2040	578.719	0.3646	579.768	0.4150
576.645	0.1888	577.695	0.2049	578.744	0.3645	579.793	0.3995
576.670	0.1741	577.719	0.2019	578.769	0.4036	579.818	0.3998
576.695	0.1744	577.744	0.2025	578.794	0.3956	579.843	0.3960
576.720	0.1934	577.769	0.1957	578.819	0.4231	579.868	0.4475
576.745	0.1936	577.794	0.1961	578.844	0.4231	579.893	0.4515
576.770	0.1939	577.819	0.1928	578.869	0.4231	579.918	0.4237
576.795	0.1941	577.844	0.2382	578.894	0.4431	579.943	0.4198
576.820	0.1943	577.869	0.2384	578.919	0.4433	579.968	0.4277
576.845	0.2019	577.894	0.2424	578.944	0.4395	579.993	0.4158
576.870	0.2020	577.919	0.2426	578.969	0.4359	580.018	0.4159
576.895	0.2059	577.944	0.2466	578.994	0.4204	580.043	0.4437
576.920	0.1836	577.969	0.2505	579.019	0.4249	580.068	0.4440
576.945	0.1837	577.994	0.2506	579.044	0.4254	580.093	0.4443
576.970	0.1801	578.019	0.2926	579.069	0.4778	580.118	0.4486
576.995	0.1803	578.044	0.2926	579.094	0.4784	580.143	0.4491
577.020	0.1841	578.069	0.2965	579.119	0.4549	580.168	0.4338
577.045	0.1843	578.094	0.2966	579.144	0.4554	580.193	0.4383
577.070	0.1845	578.119	0.2967	579.169	0.4639	580.218	0.4388
577.095	0.1922	578.144	0.2739	579.194	0.4206	580.243	0.4473
577.120	0.1924	578.169	0.2740	579.219	0.4210	580.268	0.4479
577.145	0.1926	578.194	0.2438	579.244	0.4372	580.293	0.4286



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
580.318	0.4251	581.367	0.2451	582.417	0.2175	583.466	0.2603
580.343	0.4256	581.392	0.2488	582.442	0.1956	583.491	0.2570
580.368	0.3558	581.417	0.2450	582.467	0.1959	583.516	0.2537
580.393	0.3562	581.442	0.2449	582.492	0.2000	583.541	0.2580
580.418	0.3567	581.467	0.2261	582.517	0.2003	583.566	0.2177
580.443	0.3572	581.492	0.2259	582.542	0.2006	583.591	0.2183
580.468	0.3576	581.517	0.2182	582.567	0.1972	583.616	0.2597
580.493	0.4363	581.542	0.2179	582.592	0.1976	583.641	0.2602
580.518	0.4367	581.567	0.2176	582.617	0.1979	583.666	0.2606
580.543	0.4371	581.592	0.2433	582.642	0.1798	583.691	0.2200
580.568	0.4374	581.617	0.2429	582.667	0.1800	583.716	0.2203
580.593	0.4376	581.642	0.2238	582.692	0.1876	583.741	0.2316
580.618	0.4260	581.667	0.2235	582.717	0.1878	583.766	0.2356
580.643	0.4263	581.692	0.2233	582.742	0.1917	583.791	0.2320
580.668	0.4109	581.717	0.2232	582.767	0.1993	583.816	0.2471
580.693	0.4112	581.742	0.2231	582.792	0.1995	583.841	0.2473
580.718	0.4037	581.767	0.2493	582.817	0.1813	583.866	0.2290
580.743	0.4042	581.792	0.2494	582.841	0.1816	583.891	0.2255
580.768	0.4046	581.817	0.2495	582.867	0.1819	583.916	0.2257
580.793	0.3739	581.842	0.2497	582.892	0.2339	583.941	0.2407
580.818	0.3782	581.867	0.2498	582.917	0.2306	583.966	0.2444
580.843	0.3942	581.892	0.2575	582.942	0.2199	583.991	0.2333
580.868	0.3906	581.917	0.2615	582.966	0.2203	584.016	0.2332
580.893	0.3909	581.942	0.2580	582.991	0.2208	584.041	0.3155
580.918	0.3638	581.967	0.2583	583.016	0.2249	584.066	0.3153
580.943	0.3640	581.992	0.2586	583.041	0.2254	584.091	0.3151
580.968	0.3065	582.017	0.2515	583.066	0.2593	584.116	0.3186
580.993	0.3067	582.042	0.2519	583.091	0.2635	584.141	0.3146
581.018	0.3069	582.067	0.2524	583.116	0.2601	584.166	0.2992
581.043	0.3186	582.092	0.2268	583.141	0.2604	584.191	0.3028
581.068	0.3189	582.117	0.2273	583.166	0.2644	584.216	0.2989
581.092	0.3078	582.142	0.2316	583.191	0.2608	584.241	0.2613
581.117	0.3082	582.167	0.2358	583.216	0.2608	584.266	0.2613
581.143	0.3086	582.192	0.2364	583.241	0.2608	584.291	0.2651
581.167	0.3089	582.217	0.2219	583.266	0.2607	584.316	0.2653
581.193	0.3092	582.242	0.2224	583.291	0.2605	584.341	0.2655
581.217	0.2790	582.267	0.2228	583.316	0.2753	584.366	0.2808
581.242	0.2791	582.292	0.2232	583.341	0.2751	584.391	0.2887
581.267	0.2867	582.317	0.2384	583.366	0.2600	584.416	0.3307
581.292	0.2603	582.342	0.2388	583.391	0.2599	584.441	0.3311
581.317	0.2603	582.367	0.2391	583.416	0.2599	584.466	0.3316
581.342	0.2452	582.392	0.2171	583.441	0.2601	584.491	0.3358



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
584.516	0.3399	585.565	0.4477	586.614	0.4476	587.664	0.3439
584.541	0.2909	585.590	0.5077	586.639	0.3746	587.689	0.3363
584.566	0.2912	585.615	0.5006	586.664	0.3749	587.714	0.3362
584.591	0.2913	585.640	0.5942	586.689	0.3676	587.739	0.3171
584.616	0.3330	585.665	0.5952	586.714	0.3680	587.764	0.3169
584.641	0.3330	585.690	0.5963	586.739	0.3683	587.789	0.3167
584.666	0.3636	585.715	0.5851	586.764	0.3609	587.814	0.3165
584.691	0.3597	585.740	0.5780	586.789	0.3650	587.839	0.3162
584.716	0.3597	585.765	0.5186	586.814	0.4580	587.864	0.2748
584.740	0.3405	585.790	0.5196	586.839	0.4582	587.889	0.2747
584.766	0.3406	585.815	0.5205	586.864	0.4583	587.914	0.2746
584.790	0.3446	585.840	0.4855	586.889	0.4155	587.939	0.2895
584.815	0.3448	585.865	0.4940	586.914	0.4154	587.964	0.2858
584.840	0.4853	585.890	0.4549	586.939	0.4114	587.989	0.2489
584.865	0.4856	585.915	0.4590	586.964	0.4073	588.014	0.2491
584.890	0.4859	585.940	0.4589	586.989	0.4070	588.039	0.2493
584.915	0.4624	585.965	0.4234	587.014	0.4221	588.064	0.3168
584.940	0.4665	585.990	0.4306	587.039	0.4218	588.089	0.3209
584.965	0.4118	586.015	0.3681	587.064	0.3675	588.114	0.3025
584.990	0.4158	586.040	0.3673	587.089	0.3749	588.139	0.3029
585.015	0.4120	586.065	0.3664	587.114	0.3747	588.164	0.2623
585.040	0.4004	586.090	0.4273	587.139	0.3822	588.188	0.2627
585.065	0.4004	586.115	0.4226	587.164	0.3822	588.213	0.2632
585.090	0.4120	586.140	0.4259	587.189	0.4285	588.239	0.2525
585.115	0.4120	586.165	0.4254	587.214	0.4286	588.263	0.2529
585.140	0.4199	586.190	0.4212	587.239	0.4288	588.288	0.2643
585.165	0.4592	586.215	0.3633	587.264	0.3712	588.313	0.2646
585.190	0.4593	586.240	0.3635	587.289	0.3677	588.338	0.2648
585.215	0.4634	586.265	0.4024	587.314	0.3757	588.363	0.2538
585.240	0.4637	586.290	0.4029	587.339	0.3760	588.388	0.2539
585.265	0.4679	586.315	0.4036	587.364	0.3421	588.413	0.2873
585.290	0.4484	586.340	0.4199	587.389	0.3424	588.438	0.2873
585.315	0.4447	586.365	0.4208	587.414	0.3427	588.463	0.2835
585.340	0.4726	586.390	0.4217	587.439	0.3014	588.488	0.2799
585.365	0.4649	586.414	0.4226	587.464	0.3017	588.513	0.2800
585.390	0.4650	586.440	0.4157	587.489	0.3282	588.538	0.2802
585.415	0.4652	586.465	0.4165	587.514	0.3283	588.563	0.2805
585.440	0.4654	586.490	0.4173	587.539	0.3285	588.588	0.2884
585.465	0.4147	586.515	0.4181	587.564	0.3248	588.613	0.2554
585.490	0.4150	586.539	0.4187	587.589	0.3249	588.638	0.2559
585.515	0.4153	586.564	0.4466	587.614	0.3439	588.663	0.2824
585.540	0.4471	586.589	0.4472	587.639	0.3439	588.688	0.2830



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

588.713	0.2836	589.763	0.3461	590.812	0.5038	591.861	0.5879
588.738	0.2656	589.788	0.3464	590.837	0.4962	591.886	0.5881
588.763	0.2661	589.813	0.3505	590.862	0.4966	591.911	0.5882
588.788	0.2926	589.838	0.3811	590.887	0.4579	591.936	0.6045
588.813	0.2856	589.863	0.3814	590.912	0.4584	591.961	0.6086
588.838	0.2860	589.888	0.4354	590.937	0.5099	591.986	0.6289
588.863	0.2714	589.913	0.4355	590.962	0.5105	592.011	0.6289
588.888	0.2754	589.938	0.4355	590.987	0.5111	592.036	0.6288
588.913	0.2719	589.962	0.3855	591.012	0.4491	592.061	0.5882
588.938	0.2720	589.987	0.3855	591.037	0.4496	592.086	0.5922
588.963	0.2796	590.013	0.3777	591.062	0.4852	592.111	0.5322
588.988	0.2797	590.037	0.3775	591.087	0.4857	592.136	0.5323
589.013	0.2799	590.063	0.3773	591.112	0.4862	592.161	0.5325
589.038	0.2690	590.087	0.3808	591.137	0.4515	592.186	0.5608
589.063	0.2693	590.112	0.3844	591.162	0.4520	592.211	0.5614
589.088	0.2957	590.137	0.4418	591.187	0.4369	592.236	0.6144
589.113	0.2925	590.162	0.4415	591.212	0.4373	592.261	0.6152
589.138	0.2929	590.187	0.4412	591.237	0.4415	592.286	0.6446
589.163	0.3309	590.212	0.4254	591.262	0.4302	592.311	0.6456
589.188	0.3315	590.237	0.4251	591.287	0.4305	592.336	0.6464
589.213	0.3095	590.262	0.4017	591.312	0.3582	592.361	0.6471
589.238	0.3100	590.287	0.4053	591.337	0.3621	592.386	0.6477
589.263	0.3104	590.312	0.4012	591.362	0.3622	592.411	0.7307
589.288	0.2996	590.337	0.4165	591.387	0.3736	592.436	0.7350
589.313	0.2999	590.362	0.4166	591.412	0.3736	592.461	0.7306
589.338	0.2777	590.387	0.4244	591.437	0.3735	592.486	0.6928
589.363	0.2779	590.412	0.4246	591.462	0.3734	592.511	0.6965
589.388	0.2779	590.437	0.4288	591.487	0.4655	592.536	0.6710
589.413	0.3115	590.462	0.4760	591.512	0.4653	592.561	0.6745
589.438	0.3152	590.487	0.4765	591.537	0.4651	592.586	0.6697
589.463	0.3870	590.512	0.5283	591.562	0.4805	592.611	0.5358
589.488	0.3870	590.537	0.5288	591.587	0.4803	592.636	0.5433
589.513	0.3793	590.562	0.5293	591.612	0.5472	592.661	0.5192
589.538	0.4486	590.587	0.5417	591.637	0.5471	592.686	0.5190
589.563	0.4486	590.612	0.5421	591.662	0.5470	592.711	0.5189
589.588	0.4023	590.637	0.5865	591.687	0.5390	592.736	0.5988
589.613	0.4023	590.662	0.5867	591.711	0.5430	592.761	0.5989
589.638	0.4062	590.687	0.5508	591.737	0.5075	592.786	0.5271
589.663	0.3757	590.712	0.5509	591.762	0.5115	592.811	0.5272
589.688	0.3758	590.737	0.5510	591.786	0.5116	592.836	0.5273
589.713	0.4028	590.762	0.5153	591.812	0.5835	592.861	0.5352
589.738	0.4068	590.787	0.5154	591.836	0.5837	592.886	0.5352



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

592.911	0.5790	593.960	0.4591	595.010	0.2331	596.059	0.1450
592.936	0.5788	593.985	0.4591	595.035	0.2330	596.084	0.1446
592.961	0.5786	594.010	0.4016	595.060	0.2294	596.109	0.1476
592.986	0.6188	594.035	0.4016	595.085	0.2296	596.134	0.1471
593.011	0.6268	594.060	0.3939	595.110	0.2298	596.159	0.1431
593.036	0.6430	594.085	0.3523	595.135	0.2193	596.184	0.1710
593.061	0.6428	594.110	0.3521	595.160	0.2197	596.209	0.1706
593.086	0.6797	594.135	0.3331	595.185	0.1986	596.234	0.1561
593.111	0.6797	594.160	0.3328	595.210	0.1991	596.259	0.1559
593.136	0.6797	594.185	0.3324	595.235	0.1997	596.284	0.1916
593.161	0.6880	594.210	0.2873	595.260	0.1931	596.309	0.1917
593.186	0.6882	594.235	0.2904	595.284	0.1971	596.334	0.1919
593.211	0.6885	594.260	0.2787	595.310	0.2084	596.359	0.2355
593.236	0.6889	594.285	0.2781	595.335	0.2087	596.384	0.2359
593.261	0.6894	594.310	0.2774	595.359	0.2089	596.409	0.2364
593.286	0.6529	594.335	0.2475	595.385	0.1767	596.434	0.2370
593.311	0.6495	594.360	0.2469	595.409	0.1768	596.459	0.2377
593.336	0.6137	594.385	0.2428	595.434	0.1804	596.484	0.2347
593.361	0.6144	594.410	0.2461	595.459	0.1804	596.509	0.2354
593.386	0.6111	594.435	0.2458	595.484	0.1804	596.534	0.2144
593.411	0.5199	594.460	0.2311	595.509	0.1555	596.559	0.2150
593.436	0.5204	594.485	0.2310	595.534	0.1555	596.584	0.2156
593.461	0.4545	594.510	0.2566	595.559	0.1449	596.609	0.1874
593.486	0.4509	594.535	0.2604	595.584	0.1414	596.634	0.1843
593.511	0.4550	594.560	0.2570	595.609	0.1770	596.659	0.1882
593.536	0.4475	594.585	0.2499	595.634	0.1771	596.684	0.1885
593.561	0.4476	594.610	0.2502	595.659	0.1772	596.709	0.1923
593.585	0.4055	594.635	0.2506	595.684	0.1701	596.734	0.1638
593.610	0.4019	594.660	0.2510	595.709	0.1703	596.759	0.1638
593.635	0.4020	594.685	0.2551	595.734	0.1563	596.784	0.1779
593.660	0.4061	594.710	0.2409	595.759	0.1565	596.809	0.1776
593.685	0.4026	594.735	0.2414	595.784	0.1568	596.834	0.1773
593.710	0.4878	594.760	0.2712	595.809	0.1324	596.859	0.1626
593.735	0.4842	594.785	0.2681	595.834	0.1328	596.884	0.1620
593.760	0.4884	594.810	0.3018	595.859	0.1830	596.909	0.1614
593.785	0.4732	594.835	0.3059	595.884	0.1870	596.934	0.1607
593.810	0.4735	594.860	0.3025	595.909	0.1838	596.958	0.1600
593.835	0.4505	594.885	0.2440	595.934	0.1592	596.984	0.1807
593.860	0.4507	594.910	0.2441	595.959	0.1594	597.009	0.1801
593.885	0.4509	594.935	0.2042	595.984	0.1418	597.033	0.1724
593.910	0.4666	594.960	0.2042	596.009	0.1418	597.058	0.1721
593.935	0.4667	594.985	0.2042	596.034	0.1417	597.083	0.1720



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

597.108	0.1971	598.158	0.1890	599.207	0.2751	600.257	0.3277
597.133	0.2010	598.183	0.1960	599.232	0.2789	600.282	0.3203
597.158	0.2050	598.208	0.2101	599.257	0.2644	600.307	0.3203
597.183	0.2056	598.233	0.2099	599.282	0.2647	600.332	0.3204
597.208	0.1847	598.258	0.1917	599.307	0.2834	600.357	0.3132
597.233	0.1890	598.283	0.1915	599.332	0.2838	600.382	0.3134
597.258	0.1861	598.308	0.1914	599.357	0.2842	600.407	0.3062
597.283	0.2083	598.333	0.2058	599.382	0.2736	600.432	0.3065
597.308	0.2088	598.358	0.2094	599.407	0.2703	600.457	0.3067
597.333	0.2093	598.383	0.1881	599.432	0.2705	600.482	0.3629
597.358	0.2096	598.408	0.1883	599.457	0.2744	600.507	0.3631
597.383	0.2099	598.433	0.1885	599.482	0.2745	600.532	0.3483
597.408	0.2100	598.458	0.2139	599.507	0.2453	600.557	0.3485
597.433	0.2101	598.483	0.2142	599.532	0.2453	600.581	0.3450
597.458	0.2318	598.508	0.2216	599.557	0.2489	600.607	0.3452
597.483	0.2282	598.533	0.2218	599.582	0.2524	600.632	0.3456
597.508	0.2318	598.558	0.2219	599.607	0.2523	600.656	0.3648
597.533	0.2173	598.583	0.2220	599.632	0.2668	600.682	0.3652
597.558	0.2172	598.608	0.2220	599.657	0.2666	600.706	0.3321
597.583	0.2063	598.633	0.2437	599.682	0.2738	600.731	0.3327
597.608	0.2063	598.658	0.2400	599.707	0.2738	600.756	0.3332
597.633	0.2062	598.683	0.2435	599.732	0.3216	600.781	0.3225
597.658	0.1917	598.708	0.2689	599.757	0.3178	600.806	0.3266
597.683	0.1987	598.733	0.2761	599.782	0.3178	600.831	0.3567
597.708	0.2165	598.758	0.2614	599.807	0.3401	600.856	0.3530
597.733	0.2164	598.782	0.2612	599.832	0.3363	600.881	0.3530
597.758	0.2162	598.807	0.2611	599.857	0.3362	600.906	0.3492
597.783	0.2090	598.832	0.2465	599.882	0.3398	600.931	0.3490
597.808	0.2089	598.857	0.2463	599.907	0.3321	600.956	0.3338
597.833	0.2054	598.883	0.2389	599.932	0.3319	600.981	0.3336
597.858	0.2093	598.907	0.2387	599.957	0.3316	601.006	0.3334
597.883	0.2096	598.932	0.2675	599.982	0.3312	601.031	0.3333
597.908	0.2498	598.957	0.2672	600.007	0.3308	601.056	0.3332
597.933	0.2504	598.982	0.2669	600.032	0.3304	601.081	0.2998
597.958	0.2329	599.007	0.2848	600.057	0.3900	601.106	0.2999
597.983	0.2408	599.032	0.2843	600.082	0.3896	601.131	0.2999
598.008	0.2378	599.057	0.2766	600.107	0.3441	601.156	0.3260
598.033	0.2312	599.082	0.2762	600.132	0.3512	601.181	0.3261
598.058	0.2353	599.107	0.2795	600.157	0.3546	601.206	0.3003
598.083	0.2284	599.132	0.2828	600.182	0.3543	601.231	0.3004
598.108	0.2286	599.157	0.2826	600.207	0.3541	601.256	0.3005
598.133	0.1891	599.182	0.2751	600.232	0.3278	601.281	0.2785



Table 1. Low Resolution Absorption Cross Section from 450-650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
601.306	0.2786	602.356	0.2366	603.405	0.1293	604.454	0.0125
601.331	0.3081	602.380	0.2221	603.430	0.1049	604.479	0.0436
601.356	0.3081	602.406	0.2256	603.455	0.1050	604.504	0.0474
601.381	0.3230	602.431	0.2252	603.480	0.0807	604.529	0.0616
601.406	0.3230	602.455	0.2248	603.505	0.0807	604.554	0.0619
601.431	0.3193	602.480	0.2244	603.530	0.0808	604.579	0.0621
601.456	0.3453	602.505	0.2347	603.555	0.0739	604.604	0.0484
601.481	0.3490	602.530	0.2342	603.580	0.0739	604.629	0.0484
601.506	0.3601	602.555	0.2266	603.605	0.0635	604.654	0.0345
601.531	0.3600	602.580	0.2299	603.630	0.0704	604.679	0.0343
601.556	0.3597	602.605	0.2297	603.655	0.0634	604.704	0.0338
601.581	0.3408	602.630	0.2224	603.680	0.0806	604.729	0.0333
601.606	0.3442	602.655	0.2225	603.705	0.0805	604.754	0.0327
601.631	0.3364	602.680	0.2083	603.730	0.0632	604.779	0.0390
601.656	0.3324	602.705	0.2086	603.755	0.0631	604.804	0.0349
601.681	0.3321	602.730	0.2090	603.780	0.0631	604.829	0.0240
601.706	0.2948	602.755	0.1986	603.805	0.0632	604.854	0.0235
601.731	0.2945	602.780	0.1955	603.830	0.0634	604.879	0.0230
601.756	0.3239	602.805	0.1780	603.855	0.0809	604.904	0.0158
601.781	0.3237	602.830	0.1784	603.880	0.0811	604.929	0.0155
601.806	0.3235	602.855	0.1787	603.905	0.0641	604.954	0.0461
601.831	0.3048	602.880	0.2004	603.930	0.0643	604.979	0.0425
601.856	0.3046	602.905	0.2005	603.955	0.0645	605.004	0.0423
601.881	0.2385	602.930	0.1648	603.980	0.0681	605.029	0.0250
601.906	0.2383	602.955	0.1647	604.005	0.0682	605.054	0.0214
601.931	0.2344	602.980	0.1538	604.030	0.0681	605.079	0.0556
601.956	0.2560	603.005	0.1499	604.055	0.0680	605.104	0.0554
601.981	0.2557	603.030	0.1530	604.080	0.0677	605.129	0.0553
602.006	0.2738	603.055	0.1773	604.105	0.0501	605.154	0.0551
602.031	0.2736	603.080	0.1768	604.130	0.0463	605.179	0.0549
602.056	0.2735	603.105	0.1232	604.154	0.0631	605.204	0.0547
602.081	0.3177	603.130	0.1227	604.180	0.0626	605.229	0.0546
602.106	0.3177	603.155	0.1223	604.204	0.0621	605.254	0.0544
602.131	0.3440	603.180	0.1502	604.229	0.0616	605.279	0.0716
602.156	0.3442	603.205	0.1464	604.255	0.0612	605.304	0.0750
602.181	0.2523	603.230	0.1181	604.279	0.0643	605.329	0.0576
602.206	0.2491	603.255	0.1180	604.304	0.0640	605.354	0.0611
602.231	0.2496	603.280	0.1181	604.329	0.0638	605.379	0.0578
602.256	0.2427	603.305	0.1042	604.354	0.0326	605.404	0.0823
602.281	0.2432	603.330	0.1043	604.379	0.0326	605.429	0.0862
602.306	0.2435	603.355	0.1290	604.404	0.0121	605.454	0.0797
602.331	0.2365	603.380	0.1292	604.429	0.0123	605.479	0.0803



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
605.504	0.0671	606.553	0.0499	607.603	0.0620	608.652	0.0712
605.529	0.0678	606.578	0.0500	607.628	0.0622	608.677	0.0707
605.554	0.0685	606.603	0.0501	607.652	0.0625	608.702	0.0702
605.579	0.1146	606.628	0.0330	607.677	0.0698	608.727	0.0697
605.604	0.1152	606.653	0.0366	607.702	0.0702	608.752	0.0692
605.629	0.0913	606.678	0.0678	607.727	0.0568	608.777	0.0827
605.654	0.0883	606.703	0.0678	607.753	0.0503	608.802	0.0823
605.679	0.0922	606.728	0.0678	607.777	0.0578	608.827	0.0750
605.704	0.0855	606.753	0.0504	607.802	0.0722	608.852	0.0747
605.729	0.0857	606.778	0.0503	607.827	0.0726	608.877	0.0746
605.754	0.0892	606.803	0.0606	607.852	0.0764	608.902	0.0675
605.779	0.0892	606.828	0.0604	607.877	0.0766	608.927	0.0674
605.804	0.0891	606.853	0.0604	607.902	0.0801	608.952	0.0675
605.828	0.0888	606.878	0.0742	607.927	0.0731	608.977	0.0675
605.854	0.0884	606.903	0.0673	607.952	0.0728	609.002	0.0676
605.879	0.1089	606.928	0.0674	607.977	0.1040	609.027	0.0503
605.903	0.1083	606.953	0.0676	608.002	0.1036	609.052	0.0504
605.928	0.1076	606.978	0.0677	608.027	0.0962	609.077	0.0643
605.953	0.0929	607.003	0.0713	608.052	0.0957	609.102	0.0608
605.978	0.0922	607.028	0.0713	608.077	0.1022	609.127	0.0608
606.003	0.0603	607.053	0.0677	608.102	0.1123	609.152	0.0572
606.028	0.0596	607.078	0.0676	608.127	0.1118	609.177	0.0571
606.053	0.0591	607.103	0.0672	608.152	0.1007	609.202	0.0604
606.078	0.0725	607.128	0.0668	608.177	0.0966	609.227	0.0602
606.103	0.0721	607.153	0.0629	608.202	0.0996	609.252	0.0599
606.128	0.0545	607.178	0.0623	608.227	0.0955	609.277	0.0736
606.153	0.0542	607.203	0.0652	608.252	0.0984	609.302	0.0733
606.178	0.0541	607.228	0.0508	608.277	0.0909	609.327	0.0590
606.203	0.0643	607.253	0.0502	608.302	0.0904	609.352	0.0586
606.228	0.0641	607.278	0.0497	608.327	0.0934	609.377	0.0583
606.253	0.0535	607.303	0.0458	608.352	0.0755	609.401	0.0789
606.278	0.0533	607.328	0.0455	608.377	0.0752	609.427	0.0786
606.303	0.0530	607.353	0.0625	608.402	0.0714	609.451	0.0853
606.328	0.0526	607.378	0.0622	608.427	0.0676	609.476	0.0850
606.353	0.0522	607.403	0.0620	608.452	0.0673	609.501	0.0812
606.378	0.0345	607.428	0.0480	608.477	0.0635	609.526	0.0565
606.403	0.0341	607.453	0.0479	608.502	0.0632	609.551	0.0529
606.428	0.0509	607.478	0.0617	608.527	0.0421	609.576	0.0562
606.453	0.0505	607.503	0.0617	608.552	0.0417	609.601	0.0562
606.478	0.0502	607.528	0.0617	608.577	0.0413	609.626	0.0528
606.503	0.0362	607.553	0.0687	608.602	0.0478	609.651	0.0495
606.528	0.0361	607.578	0.0688	608.627	0.0474	609.676	0.0533



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
609.701	0.0571	610.751	0.0679	611.800	0.2753	612.850	0.5122
609.726	0.0646	610.776	0.0675	611.825	0.2748	612.875	0.5119
609.751	0.0862	610.801	0.0601	611.850	0.2892	612.900	0.5116
609.776	0.0869	610.826	0.0633	611.875	0.2889	612.925	0.5113
609.801	0.0841	610.851	0.0595	611.900	0.2886	612.950	0.4950
609.826	0.0464	610.876	0.0593	611.925	0.2476	612.975	0.4947
609.851	0.0505	610.901	0.0626	611.950	0.2475	613.000	0.4943
609.876	0.0511	610.926	0.0658	611.975	0.2548	613.024	0.4234
609.901	0.0480	610.951	0.0656	612.000	0.2547	613.050	0.4192
609.926	0.0484	610.976	0.0653	612.025	0.2547	613.074	0.3689
609.951	0.0520	611.001	0.0896	612.050	0.2547	613.099	0.3686
609.976	0.0520	611.026	0.0823	612.075	0.2547	613.125	0.3684
610.001	0.0903	611.051	0.1280	612.100	0.2437	613.149	0.3075
610.026	0.0901	611.076	0.1348	612.125	0.2437	613.174	0.3073
610.051	0.0898	611.101	0.1345	612.150	0.2771	613.199	0.2659
610.076	0.0930	611.126	0.1201	612.175	0.2736	613.224	0.2655
610.101	0.0927	611.151	0.1200	612.200	0.2737	613.249	0.2650
610.126	0.0609	611.176	0.1520	612.225	0.3000	613.274	0.2459
610.151	0.0641	611.201	0.1555	612.250	0.3001	613.299	0.2453
610.176	0.0638	611.226	0.1556	612.275	0.3078	613.324	0.2041
610.201	0.0811	611.250	0.1342	612.300	0.3079	613.349	0.2034
610.226	0.0809	611.275	0.1343	612.325	0.3080	613.374	0.2026
610.251	0.0667	611.300	0.1811	612.350	0.3420	613.399	0.1873
610.276	0.0630	611.325	0.1777	612.375	0.3458	613.424	0.1867
610.301	0.0663	611.350	0.1851	612.400	0.4224	613.449	0.1935
610.326	0.0522	611.375	0.1889	612.425	0.4223	613.474	0.1932
610.351	0.0554	611.400	0.1891	612.450	0.4222	613.499	0.1929
610.376	0.0727	611.425	0.1749	612.475	0.3912	613.524	0.2075
610.401	0.0724	611.450	0.1714	612.500	0.3949	613.549	0.2075
610.426	0.0722	611.475	0.1896	612.525	0.3640	613.574	0.1784
610.451	0.0649	611.500	0.1860	612.550	0.3676	613.599	0.1785
610.476	0.0647	611.525	0.1860	612.575	0.3635	613.624	0.1786
610.501	0.0855	611.550	0.2332	612.600	0.3215	613.649	0.1933
610.526	0.0852	611.575	0.2329	612.625	0.3211	613.674	0.1933
610.551	0.0710	611.600	0.2289	612.650	0.3359	613.699	0.1714
610.576	0.0707	611.625	0.2284	612.675	0.3317	613.724	0.1712
610.601	0.0704	611.650	0.2241	612.700	0.3314	613.749	0.2148
610.626	0.0701	611.675	0.2974	612.725	0.3312	613.774	0.2108
610.651	0.0697	611.700	0.2967	612.750	0.3347	613.799	0.2104
610.676	0.0868	611.725	0.2847	612.775	0.4187	613.824	0.2101
610.701	0.0863	611.750	0.2840	612.800	0.4185	613.849	0.2097
610.726	0.0859	611.775	0.2833	612.825	0.4144	613.874	0.1984



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
613.899	0.1982	614.948	0.1374	615.998	0.2084	617.047	0.3145
613.924	0.1980	614.973	0.1298	616.023	0.2080	617.072	0.2996
613.949	0.2052	614.998	0.1259	616.048	0.2112	617.097	0.3000
613.974	0.2052	615.023	0.1257	616.073	0.2106	617.122	0.3002
613.999	0.2052	615.048	0.1292	616.098	0.2100	617.147	0.2438
614.024	0.2054	615.073	0.1292	616.123	0.2093	617.172	0.2364
614.049	0.2019	615.098	0.1293	616.148	0.2086	617.197	0.2326
614.074	0.2462	615.123	0.1366	616.173	0.1858	617.222	0.2325
614.099	0.2500	615.148	0.1368	616.198	0.1851	617.247	0.2323
614.124	0.2501	615.173	0.1263	616.223	0.1845	617.272	0.2396
614.149	0.2539	615.198	0.1266	616.248	0.1839	617.297	0.2356
614.174	0.2501	615.223	0.1269	616.273	0.2054	617.322	0.2391
614.199	0.1839	615.248	0.1416	616.298	0.2050	617.347	0.2388
614.224	0.1837	615.273	0.1455	616.323	0.2045	617.372	0.2385
614.249	0.1761	615.298	0.1277	616.348	0.2115	617.397	0.2344
614.274	0.1758	615.323	0.1278	616.373	0.2112	617.422	0.2378
614.299	0.1754	615.348	0.1278	616.398	0.2369	617.447	0.1818
614.324	0.1858	615.373	0.1385	616.423	0.2367	617.472	0.1813
614.349	0.1816	615.398	0.1384	616.448	0.2365	617.497	0.1918
614.374	0.1738	615.423	0.1563	616.473	0.2104	617.522	0.2172
614.399	0.1732	615.448	0.1561	616.497	0.2104	617.547	0.2129
614.424	0.1726	615.473	0.1306	616.522	0.2289	617.572	0.2421
614.449	0.2343	615.498	0.1304	616.547	0.2289	617.597	0.2377
614.474	0.2337	615.523	0.1302	616.572	0.2289	617.622	0.2409
614.499	0.2257	615.548	0.1373	616.597	0.2251	617.647	0.1920
614.524	0.2251	615.573	0.1371	616.622	0.2212	617.672	0.1878
614.549	0.2245	615.598	0.1768	616.647	0.2098	617.697	0.1983
614.574	0.2019	615.623	0.1766	616.672	0.2094	617.722	0.1979
614.599	0.2015	615.648	0.1764	616.697	0.2088	617.747	0.1975
614.624	0.1755	615.673	0.1434	616.722	0.2527	617.772	0.2083
614.649	0.1751	615.698	0.1431	616.747	0.2594	617.797	0.2081
614.674	0.1529	615.723	0.1427	616.772	0.3152	617.822	0.1747
614.698	0.1562	615.748	0.1422	616.797	0.3144	617.847	0.1746
614.724	0.1558	615.773	0.1417	616.822	0.3137	617.872	0.1856
614.748	0.1809	615.798	0.1667	616.847	0.2753	617.897	0.2115
614.773	0.1805	615.823	0.1663	616.872	0.2787	617.922	0.2078
614.798	0.1655	615.848	0.2099	616.897	0.2898	617.947	0.2487
614.823	0.1650	615.873	0.2096	616.922	0.2936	617.972	0.2524
614.848	0.1645	615.898	0.2093	616.947	0.2938	617.997	0.1890
614.873	0.1315	615.923	0.2239	616.972	0.2903	618.022	0.1887
614.898	0.1310	615.948	0.2237	616.997	0.2870	618.047	0.1884
614.923	0.1378	615.973	0.2087	617.022	0.3102	618.072	0.2139



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
618.097	0.2136	619.146	0.0848	620.195	0.1055	621.245	0.1617
618.122	0.2057	619.171	0.0631	620.220	0.1050	621.270	0.1762
618.147	0.2053	619.196	0.0667	620.245	0.1083	621.295	0.1721
618.172	0.2087	619.221	0.0633	620.270	0.1043	621.320	0.1494
618.197	0.1568	619.246	0.0923	620.295	0.1113	621.345	0.1489
618.222	0.1603	619.271	0.0926	620.320	0.1075	621.370	0.1483
618.247	0.1637	619.296	0.0930	620.345	0.1183	621.395	0.1476
618.271	0.1636	619.321	0.0935	620.370	0.1182	621.420	0.1507
618.297	0.1635	619.346	0.0939	620.395	0.1730	621.445	0.1502
618.321	0.1524	619.371	0.0943	620.420	0.1729	621.470	0.1497
618.346	0.1523	619.396	0.0946	620.445	0.1726	621.495	0.1492
618.371	0.1304	619.421	0.1021	620.470	0.1760	621.520	0.1269
618.396	0.1375	619.446	0.1023	620.495	0.1756	621.545	0.1266
618.421	0.1300	619.471	0.1025	620.520	0.2048	621.570	0.1264
618.446	0.1225	619.496	0.0773	620.545	0.2005	621.595	0.1262
618.471	0.1222	619.521	0.0772	620.570	0.1999	621.620	0.1260
618.496	0.1182	619.546	0.0806	620.595	0.2104	621.645	0.1002
618.521	0.1143	619.571	0.0840	620.620	0.2097	621.670	0.0998
618.546	0.1140	619.596	0.1272	620.645	0.1829	621.695	0.0921
618.571	0.1029	619.621	0.1269	620.670	0.1859	621.720	0.0916
618.596	0.1026	619.646	0.1265	620.695	0.1851	621.745	0.0911
618.621	0.0953	619.671	0.1189	620.720	0.1993	621.770	0.0832
618.646	0.0952	619.696	0.1186	620.745	0.1987	621.795	0.0826
618.671	0.0952	619.721	0.1256	620.770	0.2092	621.820	0.0640
618.696	0.0808	619.746	0.1254	620.795	0.2086	621.844	0.0635
618.721	0.0809	619.771	0.1252	620.820	0.2081	621.870	0.0666
618.746	0.0880	619.796	0.1177	620.845	0.1927	621.894	0.0554
618.771	0.0915	619.821	0.1176	620.870	0.1923	621.919	0.0550
618.796	0.0697	619.846	0.1103	620.895	0.2143	621.944	0.0872
618.821	0.0693	619.871	0.1102	620.920	0.2140	621.969	0.0869
618.846	0.0688	619.896	0.1101	620.945	0.2138	621.994	0.0866
618.871	0.0681	619.921	0.1392	620.970	0.2061	622.019	0.0826
618.896	0.0672	619.946	0.1390	620.995	0.2061	622.044	0.0823
618.921	0.0878	619.971	0.1389	621.020	0.2136	622.069	0.0674
618.946	0.0832	619.996	0.1386	621.045	0.2136	622.094	0.0670
618.971	0.0857	620.021	0.1383	621.070	0.2137	622.119	0.0702
618.996	0.0704	620.046	0.1379	621.095	0.1877	622.144	0.0735
619.021	0.0659	620.070	0.1375	621.120	0.1878	622.169	0.0694
619.046	0.0651	620.095	0.1369	621.145	0.1546	622.194	0.0655
619.071	0.0644	620.120	0.1364	621.170	0.1620	622.219	0.0652
619.096	0.0638	620.145	0.1431	621.195	0.1546	622.244	0.0577
619.121	0.0850	620.170	0.1061	621.220	0.1619	622.269	0.0574



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
622.294	0.0572	623.344	0.1007	624.393	0.0738	625.442	0.0682
622.319	0.0571	623.369	0.0715	624.418	0.0665	625.467	0.0718
622.344	0.0569	623.394	0.0714	624.443	0.0666	625.492	0.0976
622.369	0.0496	623.419	0.0712	624.468	0.0520	625.517	0.0976
622.394	0.0495	623.444	0.0710	624.493	0.0519	625.542	0.0976
622.419	0.0494	623.469	0.0744	624.518	0.0518	625.567	0.0499
622.444	0.0456	623.494	0.0777	624.543	0.0661	625.592	0.0499
622.469	0.0454	623.519	0.0774	624.568	0.0657	625.617	0.0753
622.494	0.0488	623.544	0.0988	624.593	0.0836	625.642	0.0751
622.519	0.0484	623.569	0.0947	624.618	0.0832	625.667	0.0749
622.544	0.0480	623.594	0.0979	624.643	0.0717	625.692	0.0527
622.569	0.0583	623.619	0.0937	624.668	0.0711	625.717	0.0450
622.594	0.0614	623.643	0.0933	624.693	0.0705	625.742	0.0555
622.619	0.0863	623.669	0.1001	624.718	0.0481	625.767	0.0513
622.644	0.0857	623.693	0.0997	624.743	0.0511	625.792	0.0544
622.669	0.0853	623.719	0.0810	624.768	0.0724	625.817	0.0612
622.694	0.0668	623.744	0.0807	624.793	0.0755	625.842	0.0606
622.719	0.0666	623.768	0.0840	624.818	0.0712	625.867	0.0455
622.744	0.0774	623.793	0.0946	624.843	0.0670	625.892	0.0449
622.769	0.0774	623.818	0.0906	624.868	0.0666	625.917	0.0443
622.794	0.0775	623.843	0.0466	624.893	0.0515	625.942	0.0729
622.819	0.0848	623.868	0.0461	624.918	0.0512	625.967	0.0687
622.844	0.0849	623.893	0.0421	624.943	0.0509	625.992	0.0680
622.869	0.0850	623.918	0.0851	624.968	0.0726	626.017	0.0673
622.894	0.0849	623.943	0.0845	624.993	0.0724	626.042	0.0666
622.919	0.0847	623.968	0.1428	625.018	0.0577	626.067	0.0403
622.944	0.0844	623.993	0.1420	625.043	0.0576	626.092	0.0359
622.969	0.0803	624.018	0.1411	625.068	0.0576	626.117	0.0535
622.994	0.0652	624.043	0.0886	625.093	0.0503	626.142	0.0528
623.019	0.0610	624.068	0.0839	625.118	0.0502	626.167	0.0304
623.044	0.0894	624.093	0.0793	625.143	0.0647	626.192	0.0300
623.069	0.0887	624.118	0.0782	625.168	0.0647	626.217	0.0296
623.094	0.0881	624.143	0.0773	625.193	0.0646	626.242	0.0258
623.119	0.0693	624.168	0.0472	625.218	0.0645	626.267	0.0220
623.144	0.0652	624.193	0.0501	625.243	0.0644	626.292	0.0364
623.169	0.0540	624.218	0.0458	625.268	0.0754	626.317	0.0326
623.194	0.0537	624.243	0.0453	625.292	0.0753	626.342	0.0361
623.219	0.0535	624.268	0.0449	625.318	0.0863	626.367	0.0177
623.244	0.0534	624.293	0.0665	625.343	0.0827	626.392	0.0174
623.269	0.0534	624.318	0.0664	625.367	0.0644	626.417	0.0278
623.294	0.1007	624.343	0.0737	625.392	0.0644	626.442	0.0308
623.319	0.1007	624.368	0.0737	625.417	0.0645	626.467	0.0264



Table 1. Low Resolution Absorption Cross Section from 450-650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
626.492	0.0183	627.541	-0.00449	628.591	-0.01649	629.640	-0.04619
626.517	0.0174	627.566	-0.00529	628.616	-0.01689	629.665	-0.04679
626.542	-0.00879	627.591	-0.02059	628.641	-0.03909	629.690	-0.03639
626.567	-0.00979	627.616	-0.02149	628.666	-0.03959	629.715	-0.03689
626.592	-0.01069	627.641	-0.02239	628.691	-0.01499	629.740	-0.04819
626.617	0.0102	627.666	0.0093	628.716	-0.01569	629.765	-0.04849
626.642	0.0094	627.691	0.0086	628.741	-0.01279	629.790	-0.04879
626.667	0.0270	627.716	0.0079	628.766	-0.02809	629.815	-0.04899
626.692	0.0229	627.741	0.0145	628.791	-0.02889	629.840	-0.04899
626.717	0.0261	627.766	0.0066	628.815	-0.01149	629.865	-0.03089
626.742	0.0404	627.791	-0.01209	628.841	-0.01219	629.890	-0.03079
626.767	0.0401	627.816	-0.01279	628.866	-0.01289	629.915	-0.03069
626.792	0.0399	627.841	0.0193	628.891	-0.00619	629.940	-0.03789
626.817	0.0395	627.866	0.0186	628.916	-0.00669	629.965	-0.03789
626.842	0.0391	627.891	-0.01839	628.940	-0.03259	629.990	-0.04869
626.867	0.0167	627.916	-0.01549	628.965	-0.03299	630.015	-0.04879
626.892	0.0160	627.941	-0.01609	628.990	-0.03339	630.040	-0.04899
626.917	0.0225	627.966	-0.01679	629.015	-0.02279	630.065	-0.03479
626.942	0.0217	627.991	-0.01739	629.040	-0.02319	630.090	-0.03879
626.967	0.0208	628.016	-0.03589	629.065	-0.02349	630.115	-0.04279
626.992	0.0199	628.041	-0.03629	629.090	-0.02029	630.140	-0.04329
627.017	0.0191	628.066	-0.03659	629.115	-0.02429	630.165	-0.04379
627.042	0.0184	628.091	-0.01879	629.140	-0.03549	630.190	-0.06589
627.066	0.0178	628.116	-0.01899	629.165	-0.03599	630.215	-0.06629
627.092	0.0029	628.141	-0.01909	629.190	-0.00369	630.240	-0.06679
627.117	0.0028	628.166	-0.02279	629.215	-0.00419	630.265	-0.06719
627.141	0.0064	628.191	-0.02299	629.240	-0.00459	630.290	-0.06759
627.167	0.0175	628.216	-0.01229	629.265	-0.03779	630.315	-0.06799
627.191	0.0179	628.241	-0.00529	629.290	-0.03819	630.340	-0.06849
627.216	0.0003	628.266	-0.03449	629.315	0.0013	630.365	-0.06899
627.241	0.0010	628.291	-0.03489	629.340	0.0009	630.390	-0.06949
627.266	-0.00189	628.316	-0.03529	629.365	0.0004	630.415	-0.07379
627.291	0.0024	628.341	-0.01399	629.390	-9e-05	630.440	-0.07449
627.316	0.0031	628.366	-0.01439	629.415	-0.00059	630.465	-0.07529
627.341	0.0292	628.391	-0.00749	629.440	-0.01939	630.490	-0.08339
627.366	0.0297	628.416	-0.01139	629.465	-0.02359	630.515	-0.08429
627.391	0.0300	628.441	-0.01169	629.490	-0.03149	630.540	-0.05989
627.416	-0.00249	628.466	-0.01909	629.515	-0.03209	630.565	-0.06799
627.441	-0.00259	628.491	-0.01569	629.540	-0.03279	630.590	-0.06519
627.466	0.0153	628.516	-0.02669	629.565	-0.03699	630.615	-0.05869
627.491	0.0149	628.541	-0.02319	629.590	-0.03769	630.640	-0.05559
627.516	0.0143	628.566	-0.02349	629.615	-0.04559	630.665	-0.07049



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
630.690	-0.06349	631.739	-0.03139	632.788	-0.04689	633.838	-0.05579
630.714	-0.06009	631.764	-0.03189	632.813	-0.04279	633.863	-0.04149
630.740	-0.05279	631.789	-0.05419	632.838	-0.04239	633.888	-0.04189
630.764	-0.05269	631.814	-0.05469	632.863	-0.03829	633.913	-0.04209
630.789	-0.04529	631.839	-0.03329	632.888	-0.04169	633.938	-0.01259
630.814	-0.04509	631.864	-0.03369	632.913	-0.04159	633.963	-0.01639
630.839	-0.04479	631.889	-0.03409	632.938	-0.04529	633.988	-0.02389
630.864	-0.04459	631.914	-0.01619	632.963	-0.04549	634.013	-0.02389
630.889	-0.04449	631.939	-0.01659	632.988	-0.04959	634.038	-0.02389
630.914	-0.05889	631.964	-0.02429	633.013	-0.05029	634.063	-0.03139
630.939	-0.05539	631.989	-0.02469	633.038	-0.05109	634.088	-0.03149
630.964	-0.05919	632.014	-0.05799	633.063	-0.02649	634.113	-0.03539
630.989	-0.04499	632.039	-0.05849	633.088	-0.02769	634.138	-0.03569
631.014	-0.04539	632.064	-0.05909	633.113	-0.02909	634.163	-0.03609
631.039	-0.05319	632.089	-0.03419	633.138	-0.05609	634.188	-0.03659
631.064	-0.05379	632.114	-0.03119	633.163	-0.05389	634.213	-0.03719
631.089	-0.05439	632.139	-0.02459	633.188	-0.09159	634.238	-0.01189
631.114	-0.04049	632.164	-0.02159	633.213	-0.09279	634.263	-0.01259
631.139	-0.04109	632.189	-0.02219	633.238	-0.09389	634.287	-0.01329
631.164	-0.04879	632.214	-0.01189	633.263	-0.05829	634.312	-0.02509
631.189	-0.04919	632.239	-0.01249	633.288	-0.05539	634.337	-0.02579
631.214	-0.03479	632.264	-0.00939	633.313	-0.05959	634.362	-0.01539
631.239	-0.03489	632.289	-0.00999	633.338	-0.06359	634.387	-0.01599
631.264	-0.03499	632.314	-0.01049	633.363	-0.06019	634.412	-0.01659
631.289	-0.02769	632.339	-0.01119	633.388	-0.03829	634.437	-0.00229
631.314	-0.02769	632.364	-0.01179	633.413	-0.03099	634.462	-0.00269
631.339	-0.03499	632.389	-0.01249	633.438	-0.06769	634.487	-0.01439
631.364	-0.03509	632.414	-0.01329	633.463	-0.06769	634.512	-0.01479
631.389	-0.03529	632.439	-0.01409	633.488	-0.06769	634.537	-0.04119
631.414	-0.04279	632.464	-0.01869	633.513	-0.04949	634.562	-0.03779
631.439	-0.04309	632.489	-0.01969	633.538	-0.04959	634.587	-0.04189
631.464	-0.02149	632.513	-0.00219	633.563	-0.00169	634.612	-0.01259
631.489	-0.02909	632.538	-0.00699	633.588	-0.00199	634.637	-0.01309
631.514	-0.02939	632.563	-0.00789	633.613	-0.02829	634.662	-0.03599
631.539	-0.01129	632.588	-0.04199	633.638	-0.02869	634.687	-0.03649
631.564	-0.00779	632.613	-0.04279	633.663	-0.02929	634.712	-0.03719
631.589	-0.00789	632.638	-0.02509	633.688	-0.03729	634.737	-0.03409
631.614	-0.01179	632.663	-0.02549	633.713	-0.03789	634.762	-0.03849
631.639	-0.01189	632.688	-0.02569	633.738	-0.01269	634.787	-0.03179
631.664	-0.01939	632.713	-0.04409	633.763	-0.01339	634.812	-0.03249
631.689	-0.01969	632.738	-0.04399	633.788	-0.01399	634.837	-0.03319
631.714	-0.03099	632.763	-0.04729	633.813	-0.05529	634.862	-0.02639



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
634.887	-0.02699	635.936	-0.03089	636.986	-0.04149	638.035	-0.02369
634.912	-0.04249	635.961	-0.05029	637.011	-0.04929	638.060	-0.03579
634.937	-0.04299	635.987	-0.04729	637.036	-0.05329	638.085	-0.03279
634.962	-0.04349	636.011	-0.05169	637.061	-0.02349	638.110	-0.01459
634.987	-0.05509	636.036	-0.05239	637.086	-0.02369	638.135	-0.01529
635.012	-0.05539	636.061	-0.05319	637.111	-0.02379	638.160	-0.01589
635.037	-0.04459	636.086	-0.04649	637.136	-0.04649	638.185	-0.02409
635.062	-0.04469	636.111	-0.04729	637.161	-0.05029	638.210	-0.02449
635.087	-0.04479	636.136	-0.05549	637.186	-0.03169	638.235	-0.02119
635.112	-0.07429	636.161	-0.05619	637.211	-0.03169	638.260	-0.02529
635.137	-0.07429	636.186	-0.05689	637.236	-0.03179	638.285	-0.02559
635.162	-0.04459	636.211	-0.04649	637.261	-0.01679	638.310	-0.02579
635.187	-0.04079	636.236	-0.03959	637.286	-0.01689	638.335	-0.02599
635.212	-0.04059	636.261	-0.05139	637.311	-0.03959	638.360	-0.04509
635.237	-0.06269	636.286	-0.05189	637.336	-0.03979	638.385	-0.04539
635.262	-0.06269	636.311	-0.05239	637.361	-0.03989	638.410	-0.04569
635.287	-0.06269	636.336	-0.03419	637.386	-0.04759	638.435	-0.03839
635.312	-0.06269	636.361	-0.03459	637.411	-0.04779	638.460	-0.04249
635.337	-0.03689	636.386	-0.01249	637.436	-0.03309	638.485	-0.04649
635.362	-0.03709	636.411	-0.01289	637.461	-0.03339	638.510	-0.04679
635.387	-0.03729	636.436	-0.01329	637.486	-0.03379	638.535	-0.05079
635.412	-0.05229	636.461	-0.03999	637.511	-0.06039	638.560	-0.06599
635.437	-0.04869	636.486	-0.04049	637.536	-0.06089	638.585	-0.06989
635.462	-0.03029	636.511	-0.01479	637.561	-0.02009	638.610	-0.05139
635.487	-0.03039	636.536	-0.01539	637.586	-0.01689	638.635	-0.04399
635.512	-0.03049	636.561	-0.01609	637.611	-0.02119	638.660	-0.05549
635.537	-0.02679	636.586	-0.02429	637.636	-0.04439	638.685	-0.05569
635.562	-0.02319	636.611	-0.02489	637.661	-0.04119	638.710	-0.05599
635.587	-0.02349	636.636	-0.03309	637.685	-0.03049	638.735	-0.04879
635.612	-0.02749	636.661	-0.03359	637.711	-0.03109	638.760	-0.04919
635.637	-0.02429	636.686	-0.03419	637.735	-0.03159	638.785	-0.05719
635.662	-0.04719	636.711	-0.05329	637.760	-0.02459	638.810	-0.05759
635.687	-0.04049	636.736	-0.05739	637.786	-0.02519	638.835	-0.06179
635.712	-0.02649	636.761	-0.06889	637.810	-0.05569	638.860	-0.05099
635.737	-0.02749	636.786	-0.06909	637.835	-0.05629	638.885	-0.05149
635.762	-0.03219	636.811	-0.06939	637.860	-0.02669	638.910	-0.05189
635.787	-0.02949	636.836	-0.06219	637.885	-0.02729	638.935	-0.05239
635.812	-0.03419	636.861	-0.06239	637.910	-0.02789	638.960	-0.05289
635.837	-0.02389	636.886	-0.02899	637.935	-0.01719	638.985	-0.04219
635.862	-0.02479	636.911	-0.02929	637.960	-0.01779	639.010	-0.04269
635.887	-0.02569	636.936	-0.04459	637.985	-0.02609	639.035	-0.03959
635.911	-0.03389	636.961	-0.04119	638.010	-0.02679	639.060	-0.04399



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
639.085	-0.04469	640.134	-0.02849	641.184	-0.05809	642.233	-0.02099
639.110	-0.05679	640.159	-0.03679	641.209	-0.05829	642.258	-0.02149
639.135	-0.05759	640.184	-0.03739	641.234	-0.05849	642.283	-0.02199
639.160	-0.04709	640.209	-0.03419	641.258	-0.02809	642.308	0.0008
639.185	-0.04789	640.234	-0.03099	641.284	-0.03209	642.333	0.0002
639.210	-0.04869	640.259	-0.03149	641.309	-0.03219	642.358	0.0037
639.235	-0.05329	640.284	-0.03189	641.333	-0.03239	642.383	0.0072
639.260	-0.05419	640.309	-0.03209	641.359	-0.03249	642.408	0.0030
639.285	-0.05509	640.334	-0.07029	641.383	-0.05949	642.433	-0.00889
639.310	-0.05969	640.359	-0.07039	641.408	-0.05979	642.458	-0.00899
639.335	-0.05679	640.384	-0.06299	641.433	-0.02949	642.483	-0.00509
639.360	-0.04629	640.409	-0.06319	641.458	-0.03359	642.508	-0.00499
639.385	-0.04319	640.434	-0.06349	641.483	-0.03399	642.533	-0.00489
639.410	-0.06659	640.459	-0.06769	641.508	-0.03049	642.558	0.0423
639.435	-0.07099	640.484	-0.06829	641.533	-0.03479	642.583	0.0345
639.460	-0.08269	640.509	-0.06529	641.558	-0.04669	642.608	0.0032
639.484	-0.08689	640.534	-0.06229	641.583	-0.04699	642.633	0.0070
639.509	-0.09089	640.559	-0.06329	641.608	-0.04739	642.658	0.0028
639.535	-0.05729	640.584	-0.04159	641.633	-0.06689	642.683	0.0416
639.559	-0.05739	640.609	-0.03879	641.658	-0.06719	642.708	0.0411
639.584	-0.07629	640.634	-0.04749	641.683	-0.04089	642.733	0.0208
639.609	-0.07639	640.659	-0.04859	641.708	-0.04509	642.758	0.0240
639.634	-0.07649	640.684	-0.04949	641.733	-0.04549	642.783	0.0390
639.659	-0.06919	640.709	-0.04279	641.758	-0.06129	642.808	0.0382
639.684	-0.07329	640.734	-0.04739	641.783	-0.05799	642.833	0.0374
639.709	-0.07369	640.759	-0.03279	641.808	-0.07379	642.858	0.0287
639.734	-0.07799	640.784	-0.03339	641.833	-0.06669	642.883	0.0359
639.759	-0.07859	640.809	-0.03389	641.858	-0.06739	642.908	0.0351
639.784	-0.08679	640.834	-0.03439	641.883	-0.01819	642.933	0.0344
639.809	-0.08749	640.859	-0.03489	641.908	-0.01499	642.958	0.0337
639.834	-0.05419	640.884	-0.04299	641.933	0.0036	642.983	0.0016
639.859	-0.05469	640.909	-0.04339	641.958	0.0027	643.008	0.0009
639.884	-0.05519	640.934	-0.04379	641.983	0.0175	643.033	-0.02319
639.909	-0.05559	640.959	-0.04799	642.008	0.0166	643.058	-0.01999
639.934	-0.05209	640.984	-0.04839	642.033	0.0118	643.083	-0.02069
639.959	-0.03339	641.009	-0.05629	642.058	-0.02389	643.108	0.0335
639.984	-0.03359	641.034	-0.05659	642.083	-0.02479	643.133	0.0329
640.009	-0.03379	641.059	-0.05689	642.108	0.0016	643.157	-0.01089
640.034	-0.01499	641.084	-0.03809	642.133	0.0048	643.182	-0.01159
640.059	-0.01539	641.109	-0.03829	642.158	0.0002	643.207	-0.01219
640.084	-0.02729	641.134	-0.04619	642.183	-0.00429	643.232	-0.02439
640.109	-0.02789	641.159	-0.04649	642.208	-0.00489	643.257	-0.02499



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
643.282	0.0096	644.332	-0.01679	645.381	-0.04079	646.431	0.0121
643.307	0.0052	644.357	-0.01639	645.406	-0.03739	646.456	0.0113
643.332	0.0086	644.382	-0.01629	645.431	-0.02609	646.481	0.0186
643.357	-0.00749	644.407	-0.05129	645.456	-0.01859	646.506	0.0179
643.382	-0.00789	644.432	-0.05159	645.481	-0.01899	646.531	0.0173
643.407	-0.00039	644.457	-0.07889	645.506	-0.05859	646.555	0.0449
643.432	-0.00059	644.482	-0.08329	645.531	-0.05909	646.581	0.0363
643.457	0.0031	644.507	-0.08399	645.556	-0.06339	646.605	0.0078
643.482	0.0069	644.532	-0.08089	645.581	-0.06789	646.630	0.0073
643.507	0.0068	644.557	-0.08169	645.606	-0.06459	646.656	0.0068
643.532	0.0225	644.582	-0.09029	645.631	-0.04579	646.680	-0.01369
643.557	0.0224	644.607	-0.09509	645.656	-0.04659	646.705	-0.01439
643.582	0.0263	644.632	-0.05769	645.681	-0.03969	646.730	0.0088
643.607	0.0262	644.657	-0.05869	645.706	-0.04059	646.755	0.0040
643.632	0.0261	644.682	-0.05979	645.731	-0.04159	646.780	0.0032
643.657	0.0338	644.707	-0.07639	645.756	-0.05819	646.805	0.0023
643.682	0.0337	644.732	0.07749	645.781	-0.05909	646.830	0.0015
643.707	0.0058	644.757	-0.10159	645.806	-0.02849	646.855	0.0529
643.732	0.0056	644.782	-0.10259	645.831	-0.02919	646.880	0.0521
643.757	0.0052	644.807	-0.10349	645.856	-0.02979	646.905	0.0593
643.782	-0.01869	644.832	-0.06589	645.881	-0.03799	646.930	0.0584
643.807	-0.01919	644.857	-0.06679	645.906	-0.03819	646.955	0.0575
643.832	-0.00419	644.882	-0.05199	645.931	-0.04619	646.980	0.0403
643.857	-0.00499	644.906	-0.05279	645.956	-0.04619	647.005	0.0393
643.882	-0.00589	644.931	-0.05359	645.981	-0.04599	647.030	0.0221
643.907	-0.02639	644.956	-0.06209	646.006	-0.06149	647.055	0.0211
643.932	-0.02749	644.981	-0.06299	646.031	-0.06119	647.080	0.0201
643.957	-0.02469	645.006	-0.06379	646.056	-0.02949	647.105	0.0515
643.982	-0.02579	645.031	-0.06479	646.081	-0.02919	647.130	0.0506
644.007	-0.02679	645.056	-0.06569	646.106	-0.05259	647.155	0.0255
644.032	-0.03159	645.081	-0.03159	646.131	-0.05239	647.180	0.0289
644.057	-0.03619	645.106	-0.03259	646.156	-0.05239	647.205	0.0243
644.082	-0.08689	645.131	-0.00999	646.181	-0.05239	647.230	0.0768
644.107	-0.08329	645.156	-0.01889	646.206	-0.05259	647.255	0.0766
644.132	-0.08709	645.181	-0.02369	646.231	-0.02939	647.280	0.0766
644.157	-0.03269	645.206	-0.04809	646.256	-0.04169	647.305	0.0767
644.182	-0.03229	645.231	-0.05279	646.281	-0.03049	647.330	0.0769
644.207	-0.03169	645.256	-0.04569	646.306	-0.01929	647.355	0.0567
644.232	-0.03099	645.281	-0.04639	646.331	-0.02019	647.380	0.0570
644.257	-0.03029	645.306	-0.03919	646.356	0.0388	647.405	0.0330
644.282	-0.03349	645.331	-0.04369	646.381	0.0379	647.430	0.0374
644.307	-0.04449	645.356	-0.04029	646.406	0.0370	647.455	0.0377



Table 1. Low Resolution Absorption Cross Section from 450–650 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
647.480	0.0420	648.130	-0.0037	648.779	-0.0842	649.429	-0.1054
647.505	0.0421	648.155	-0.0003	648.804	-0.0848	649.454	-0.1061
647.530	0.0260	648.180	-0.0008	648.829	-0.1364	649.479	-0.1066
647.555	0.0300	648.205	-0.0012	648.854	-0.1330	649.504	-0.1071
647.580	0.0258	648.230	-0.0014	648.879	-0.1141	649.529	-0.1074
647.605	0.0055	648.255	-0.0016	648.904	-0.1146	649.554	-0.1234
647.630	0.0051	648.280	-0.0377	648.929	-0.1152	649.579	-0.1078
647.655	0.0369	648.305	-0.0377	648.954	-0.1314	649.604	-0.1236
647.680	0.0364	648.330	-0.0056	648.979	-0.1281	649.629	-0.1039
647.705	0.0318	648.354	-0.0057	649.004	-0.1014	649.654	-0.0881
647.730	0.0473	648.379	-0.0058	649.029	-0.0942	649.679	-0.0999
647.755	0.0465	648.404	-0.0300	649.054	-0.0950	649.704	-0.1037
647.780	0.0375	648.429	-0.0303	649.079	-0.0839	649.729	-0.1037
647.805	0.0366	648.454	-0.0507	649.104	-0.0846	649.754	-0.1078
647.830	0.0356	648.479	-0.0512	649.129	-0.0932	649.779	-0.1080
647.855	0.0346	648.504	-0.0519	649.154	-0.0939	649.804	-0.0966
647.880	0.0336	648.529	-0.0566	649.179	-0.0945	649.829	-0.0971
647.905	0.0325	648.554	-0.0613	649.204	-0.1305	649.854	-0.0979
647.930	0.0274	648.579	-0.0700	649.229	-0.1311	649.879	-0.1027
647.955	0.0304	648.604	-0.0709	649.254	-0.1161	649.904	-0.1037
647.980	0.0294	648.629	-0.0835	649.279	-0.1206	649.929	-0.1440
648.005	0.0285	648.654	-0.0843	649.304	-0.1174	649.954	-0.1450
648.030	0.0276	648.679	-0.0930	649.329	-0.0985	649.979	-0.1458
648.055	0.0268	648.704	-0.0859	649.354	-0.0913	650.004	-0.1387
648.080	-0.0022	648.729	-0.0867	649.379	-0.1040	650.029	-0.1391
648.105	-0.0070	648.754	-0.0874	649.404	-0.1047	650.054	-0.1038



Table 2. Low Resolution Absorption Cross Section from 450-650 nm at 573K

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
450.192	4.2802	451.241	4.4299	452.291	4.1706	453.340	4.1208
450.217	4.3619	451.266	4.4311	452.316	4.1729	453.365	4.0499
450.242	4.3623	451.291	4.3507	452.341	4.0272	453.390	4.0515
450.267	4.3628	451.316	4.3521	452.366	4.0661	453.415	4.0533
450.292	4.4050	451.341	4.2345	452.391	4.1802	453.440	4.0913
450.317	4.4058	451.366	4.2753	452.416	4.1077	453.465	4.1297
450.342	4.4067	451.391	4.2377	452.441	4.1100	453.490	4.0953
450.367	4.3662	451.416	4.3585	452.466	4.1494	453.515	4.0975
450.392	4.3672	451.441	4.3602	452.491	4.1890	453.540	4.1364
450.417	4.3684	451.466	4.1276	452.516	4.1909	453.565	4.1026
450.442	4.3695	451.491	4.1292	452.541	4.1926	453.590	4.1055
450.467	4.3708	451.516	4.0560	452.566	4.3885	453.615	4.1450
450.492	4.3721	451.541	4.0575	452.591	4.4302	453.640	4.1119
450.517	4.3736	451.566	4.0589	452.615	4.4317	453.665	4.1518
450.542	4.4167	451.591	4.0602	452.641	4.2752	453.690	4.0116
450.567	4.4185	451.616	4.0616	452.665	4.2766	453.715	4.0150
450.592	4.4203	451.641	3.9898	452.690	4.2780	453.740	4.0183
450.617	4.3808	451.666	3.9913	452.715	4.2794	453.765	4.0214
450.642	4.3830	451.691	3.9930	452.740	4.3197	453.790	4.0243
450.667	4.3852	451.716	4.0311	452.765	4.3212	453.815	3.8215
450.692	4.4711	451.741	4.0329	452.790	4.2839	453.840	3.8237
450.717	4.3900	451.766	4.0714	452.815	4.2855	453.865	3.7597
450.742	4.3924	451.791	4.0730	452.840	4.2871	453.890	3.7942
450.767	4.3948	451.816	4.0744	452.865	4.2887	453.915	3.7628
450.792	4.4387	451.841	4.3050	452.890	4.2139	453.940	3.8300
450.816	4.3994	451.866	4.3060	452.915	4.2155	453.965	3.8312
450.841	4.5277	451.891	4.3067	452.940	4.0689	453.990	3.7664
450.866	4.5299	451.916	4.3073	452.965	4.0703	454.015	3.7674
450.891	4.5320	451.941	4.3076	452.990	4.1080	454.040	3.7684
450.916	4.4081	451.966	4.3476	453.015	4.0366	454.065	3.9024
450.941	4.4101	451.991	4.3082	453.040	4.0375	454.090	3.9033
450.966	4.3306	452.016	4.3086	453.065	3.9322	454.115	3.8039
450.991	4.3326	452.041	4.3091	453.090	3.8981	454.140	3.7719
451.016	4.3346	452.066	4.2705	453.115	3.8987	454.165	3.8386
451.041	4.3366	452.091	4.3905	453.140	3.9691	454.190	3.8727
451.066	4.3384	452.116	4.3917	453.165	3.9697	454.215	3.8401
451.091	4.4218	452.141	4.3133	453.190	3.9703	454.240	3.8409
451.116	4.4234	452.166	4.2756	453.215	3.9711	454.265	3.8753
451.141	4.4249	452.191	4.3166	453.240	3.9720	454.290	3.7445
451.166	4.3446	452.216	4.1640	453.265	3.9731	454.315	3.7459
451.191	4.3458	452.241	4.1661	453.290	3.9743	454.339	3.6832
451.216	4.4287	452.266	4.1683	453.315	4.1193	454.364	3.8144



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
454.389	3.7835	455.439	4.2926	456.488	4.1882	457.538	4.1760
454.414	3.8184	455.464	4.1850	456.513	4.0171	457.563	4.2461
454.439	3.7878	455.489	4.1868	456.538	3.9845	457.588	4.2819
454.464	3.7900	455.514	4.1885	456.563	3.8869	457.613	4.3182
454.489	3.8582	455.539	4.2996	456.588	3.8878	457.638	4.3189
454.514	3.8604	455.564	4.3013	456.613	3.9213	457.663	4.3198
454.539	3.9298	455.589	4.1578	456.638	3.8257	457.688	4.3208
454.564	3.9319	455.614	4.1952	456.663	3.8268	457.713	4.3220
454.589	3.9338	455.639	4.1967	456.688	3.6421	457.738	4.3234
454.614	4.1092	455.664	4.1270	456.713	3.6433	457.763	4.3248
454.639	4.1466	455.689	4.1638	456.738	3.6444	457.788	4.3263
454.664	4.2207	455.714	4.0599	456.763	3.5858	457.813	4.3277
454.689	4.1855	455.739	4.0611	456.788	3.6167	457.837	4.3292
454.714	4.2232	455.764	4.0623	456.813	3.6783	457.862	4.2594
454.739	4.2612	455.789	4.0982	456.838	3.6492	457.887	4.2607
454.764	4.2623	455.814	4.0995	456.863	3.6504	457.912	4.2619
454.789	4.3381	455.839	4.0662	456.888	3.6217	457.937	4.3703
454.814	4.3391	455.864	4.1024	456.913	3.6231	457.962	4.4080
454.839	4.3400	455.889	4.0694	456.938	3.5653	457.987	4.4834
454.864	4.2660	455.914	4.1060	456.963	3.5378	458.012	4.4476
454.889	4.2667	455.939	4.0732	456.988	3.5690	458.037	4.4492
454.914	4.3421	455.964	4.2162	457.013	3.6304	458.062	4.3417
454.939	4.3426	455.989	4.2544	457.038	3.6028	458.087	4.3438
454.964	4.2681	456.014	4.1494	457.063	3.6649	458.112	4.5304
454.989	4.2684	456.039	4.1870	457.088	3.6672	458.137	4.5331
455.014	4.2686	456.064	4.1539	457.113	3.6694	458.162	4.5360
455.039	4.2689	456.089	4.2273	457.138	3.6716	458.187	4.4274
455.064	4.2692	456.113	4.2297	457.163	3.7039	458.212	4.4306
455.089	4.2696	456.138	4.2682	457.188	3.7984	458.237	4.2203
455.114	4.3075	456.163	4.2707	457.213	3.7691	458.262	4.2581
455.139	4.2711	456.188	4.2733	457.238	3.8020	458.287	4.1579
455.164	4.4234	456.213	4.2398	457.263	3.7417	458.312	4.1607
455.189	4.4247	456.238	4.2424	457.288	3.7434	458.337	4.1633
455.214	4.4263	456.263	4.1739	457.313	3.8699	458.362	4.0654
455.239	4.4280	456.288	4.1763	457.338	3.8713	458.387	4.1006
455.264	4.4299	456.313	4.1786	457.363	3.8727	458.412	4.2379
455.289	4.2439	456.338	4.1456	457.388	3.9706	458.437	4.2396
455.314	4.2095	456.363	4.1474	457.413	3.9716	458.462	4.2410
455.339	4.2480	456.388	4.0458	457.438	4.1740	458.487	4.3120
455.364	4.2136	456.413	4.0471	457.463	4.2094	458.512	4.3131
455.389	4.2156	456.438	4.0823	457.488	4.2099	458.537	4.4579
455.414	4.2908	456.463	4.1523	457.513	4.1756	458.562	4.4225



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
458.587	4.4235	459.637	4.0672	460.686	4.3980	461.735	3.9757
458.612	4.4245	459.661	4.0691	460.711	4.2281	461.760	3.9463
458.637	4.4256	459.686	4.0070	460.736	4.2285	461.785	3.9776
458.662	4.4632	459.711	4.0089	460.761	4.1305	461.810	3.8885
458.687	4.4279	459.736	4.0109	460.786	4.1311	461.835	3.8896
458.712	4.4656	459.761	4.0128	460.811	4.0677	461.860	3.8029
458.737	4.3232	459.786	4.0789	460.836	4.0688	461.885	3.8042
458.762	4.3245	459.811	4.0810	460.861	4.0701	461.910	3.8057
458.787	4.2562	459.836	3.9559	460.886	4.1358	461.935	3.8072
458.812	4.2924	459.861	3.9580	460.911	4.1376	461.960	3.8088
458.837	4.2592	459.886	3.8981	460.936	4.2381	461.985	3.8104
458.862	4.3304	459.911	3.9002	460.961	4.2403	462.010	3.8120
458.887	4.3320	459.936	3.9022	460.986	4.2425	462.035	3.8136
458.912	4.2638	459.961	3.9660	461.011	4.1465	462.060	3.7292
458.937	4.2653	459.986	3.9677	461.036	4.1488	462.085	3.7305
458.962	4.2668	460.011	4.0964	461.061	3.9620	462.110	3.8176
458.987	4.1327	460.036	4.0978	461.086	3.9642	462.135	3.8186
459.012	4.1341	460.061	4.0989	461.111	3.9663	462.160	3.7907
459.037	4.0371	460.086	4.0358	461.136	3.9684	462.185	3.8203
459.062	4.0385	460.111	4.0366	461.161	3.9703	462.210	3.8210
459.087	3.9127	460.136	4.0373	461.186	4.0341	462.235	3.7641
459.112	3.9139	460.161	4.0379	461.211	4.0359	462.260	3.7648
459.137	3.9151	460.186	4.1026	461.236	4.0377	462.285	3.7655
459.162	3.7336	460.211	4.0390	461.261	4.1666	462.310	3.7663
459.187	3.7346	460.236	4.0395	461.286	4.1682	462.335	3.7672
459.212	3.7955	460.261	4.1041	461.311	4.2024	462.360	3.7684
459.237	3.7963	460.286	4.1047	461.335	4.2041	462.385	3.7697
459.262	3.7971	460.311	4.1055	461.360	4.2058	462.410	3.7712
459.287	3.9206	460.336	4.1717	461.385	4.1751	462.435	3.7728
459.312	3.9214	460.361	4.1401	461.410	4.1769	462.460	3.7746
459.337	4.0493	460.386	4.1415	461.435	4.0515	462.485	3.7765
459.362	3.9859	460.411	4.1432	461.460	4.0534	462.510	3.7783
459.387	3.9552	460.436	4.1780	461.485	4.0552	462.535	3.8961
459.412	3.8020	460.461	4.2804	461.510	3.9341	462.560	3.8686
459.437	3.8032	460.486	4.2827	461.535	3.9967	462.585	3.8703
459.462	3.8654	460.511	4.2850	461.560	4.0602	462.610	3.9606
459.487	3.8978	460.536	4.2872	461.585	4.0617	462.635	3.9324
459.512	3.8686	460.561	4.2892	461.610	3.9402	462.660	3.9937
459.537	3.9953	460.586	4.5002	461.635	3.9414	462.685	3.9951
459.562	3.9972	460.611	4.5017	461.660	3.9425	462.710	3.9965
459.587	4.0632	460.636	4.3966	461.685	4.0044	462.735	4.1836
459.611	4.0652	460.661	4.3974	461.710	4.0053	462.760	4.1849



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
462.785	4.1861	463.834	4.3613	464.883	3.6547	465.933	3.2070
462.810	4.1872	463.859	4.2962	464.908	3.6559	465.958	3.1849
462.835	4.1882	463.884	4.3618	464.933	3.6044	465.983	3.1631
462.860	4.3851	463.909	4.2328	464.958	3.6056	466.008	3.1643
462.885	4.3526	463.934	4.2334	464.983	3.6069	466.033	3.1658
462.910	4.7392	463.959	4.2342	465.008	3.6610	466.058	3.2600
462.935	4.7031	463.984	4.2352	465.033	3.6625	466.083	3.2617
462.960	4.7039	464.009	4.2364	465.058	3.7175	466.108	3.3345
462.985	4.7415	464.034	4.2377	465.083	3.7191	466.133	3.3362
463.010	4.7424	464.059	4.2392	465.108	3.6937	466.158	3.3379
463.035	4.8946	464.084	4.1777	465.133	3.6686	466.183	3.3636
463.060	4.8955	464.109	4.1794	465.158	3.6702	466.208	3.3412
463.085	4.8966	464.134	4.1812	465.183	3.7254	466.233	3.3188
463.110	4.8213	464.159	4.1831	465.208	3.7270	466.258	3.3204
463.135	4.8226	464.184	4.1850	465.233	3.7286	466.283	3.3219
463.159	4.7122	464.209	3.9746	465.258	3.6237	466.308	3.3472
463.184	4.6772	464.234	4.0061	465.283	3.6252	466.333	3.3488
463.209	4.5715	464.259	3.9199	465.308	3.6795	466.358	3.3265
463.234	4.5731	464.284	3.9216	465.333	3.6809	466.383	3.3520
463.259	4.5749	464.309	3.9232	465.358	3.6823	466.408	3.3778
463.284	4.5767	464.334	3.8389	465.383	3.6307	466.433	3.4526
463.309	4.5787	464.359	3.8403	465.408	3.6319	466.458	3.4543
463.334	4.6518	464.384	3.9275	465.433	3.4045	466.483	3.5306
463.359	4.6539	464.409	3.9288	465.458	3.4055	466.508	3.5575
463.384	4.6560	464.434	3.9300	465.483	3.4064	466.533	3.5589
463.409	4.6580	464.459	3.9313	465.508	3.4818	466.558	3.5602
463.434	4.6600	464.484	3.9327	465.533	3.4826	466.583	3.5612
463.459	4.6618	464.509	3.8482	465.558	3.3117	466.608	3.6129
463.484	4.6635	464.534	3.8498	465.583	3.3124	466.633	3.6133
463.509	4.6650	464.559	3.8514	465.608	3.3132	466.658	3.6651
463.534	4.6664	464.584	3.8249	465.633	3.2429	466.682	3.6649
463.559	4.6676	464.609	3.8268	465.658	3.2437	466.707	3.6908
463.584	4.6685	464.634	3.8852	465.683	3.1520	466.732	3.7968
463.609	4.6693	464.659	3.8588	465.708	3.1529	466.757	3.7965
463.634	4.6698	464.684	3.8891	465.733	3.1539	466.782	3.8506
463.659	4.5991	464.709	3.7788	465.758	3.1549	466.807	3.8506
463.684	4.5994	464.734	3.7808	465.783	3.1558	466.832	3.8236
463.709	4.4614	464.759	3.7551	465.808	3.1568	466.857	3.7434
463.734	4.4614	464.784	3.7295	465.833	3.1576	466.882	3.7443
463.759	4.4614	464.809	3.7312	465.858	3.1584	466.907	3.7991
463.784	4.3943	464.833	3.7327	465.883	3.1592	466.932	3.8006
463.809	4.3943	464.858	3.7341	465.908	3.1601	466.957	3.7753



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
466.982	3.9416	468.032	3.9074	469.081	3.4549	470.131	3.3603
467.007	3.9716	468.057	3.8810	469.106	3.4569	470.155	3.3606
467.032	4.0594	468.082	3.8014	469.131	3.3882	470.180	3.3609
467.057	4.0612	468.107	3.8024	469.156	3.3902	470.205	3.3612
467.082	4.0630	468.132	3.8035	469.181	3.4155	470.230	3.3615
467.107	3.9789	468.157	3.7518	469.206	3.4172	470.255	3.3618
467.132	3.9524	468.182	3.7528	469.231	3.4189	470.280	3.3621
467.157	3.9823	468.207	3.8603	469.256	3.5886	470.305	3.2721
467.182	3.9840	468.232	3.8613	469.281	3.5899	470.330	3.2726
467.207	3.9858	468.257	3.5274	469.306	3.4940	470.355	3.2733
467.232	3.7949	468.282	3.5284	469.331	3.4951	470.380	3.2741
467.257	3.8238	468.307	3.5295	469.356	3.4961	470.405	3.2750
467.282	3.8529	468.332	3.6303	469.381	3.4972	470.430	3.4593
467.307	3.8550	468.356	3.6314	469.406	3.4983	470.455	3.4606
467.332	3.8845	468.382	3.4838	469.431	3.4994	470.480	3.5814
467.357	3.7787	468.406	3.4848	469.456	3.5006	470.505	3.5829
467.382	3.7808	468.431	3.4858	469.481	3.5020	470.530	3.5846
467.407	3.7300	468.456	3.2748	469.506	3.5516	470.555	3.5142
467.432	3.7319	468.481	3.2758	469.531	3.5530	470.580	3.5159
467.457	3.6816	468.506	3.3696	469.556	3.4587	470.605	3.4469
467.482	3.6832	468.531	3.3708	469.581	3.4366	470.630	3.4720
467.507	3.6846	468.556	3.3956	469.606	3.4380	470.655	3.4736
467.532	3.6858	468.581	3.4444	469.631	3.3466	470.680	3.3826
467.557	3.6868	468.606	3.4219	469.656	3.3478	470.705	3.4071
467.582	3.7397	468.631	3.5198	469.681	3.2586	470.730	3.2953
467.607	3.7405	468.656	3.4969	469.706	3.2597	470.755	3.3191
467.632	3.7411	468.681	3.4985	469.731	3.2606	470.780	3.2982
467.657	3.7945	468.706	3.4518	469.756	3.2392	470.805	3.2996
467.682	3.7949	468.731	3.4296	469.781	3.2179	470.830	3.3010
467.707	3.6903	468.756	3.4313	469.806	3.1967	470.855	3.2360
467.732	3.6906	468.781	3.4331	469.831	3.1755	470.880	3.2374
467.757	3.6907	468.806	3.4349	469.856	3.1544	470.905	3.2387
467.782	3.6396	468.831	3.4368	469.881	3.1551	470.930	3.2400
467.807	3.6396	468.856	3.4386	469.906	3.1557	470.955	3.2414
467.832	3.6910	468.881	3.4643	469.931	3.2439	470.980	3.1993
467.857	3.6911	468.906	3.4661	469.956	3.2444	471.005	3.2008
467.882	3.6912	468.931	3.4678	469.981	3.2672	471.030	3.1808
467.907	3.8499	468.956	3.4696	470.006	3.2902	471.055	3.1609
467.932	3.8233	468.981	3.4714	470.031	3.2683	471.080	3.1839
467.957	3.8507	469.006	3.4972	470.056	3.4284	471.105	3.2070
467.982	3.8513	469.031	3.4750	470.081	3.4522	471.130	3.2085
468.007	3.8520	469.056	3.4530	470.106	3.3599	471.155	3.2534



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
471.180	3.2546	472.229	3.2213	473.279	3.3482	474.328	4.0479
471.205	3.2556	472.254	3.2443	473.304	3.5981	474.353	3.9965
471.230	3.1699	472.279	3.2246	473.329	3.5987	474.378	3.9971
471.255	3.1707	472.304	3.2263	473.354	3.5996	474.403	3.9977
471.280	3.0247	472.329	3.2709	473.379	3.4175	474.428	3.8217
471.305	3.0253	472.354	3.2726	473.404	3.4411	474.453	3.8222
471.330	3.0260	472.379	3.1886	473.429	3.5106	474.478	3.8973
471.355	3.0472	472.404	3.1900	473.454	3.5122	474.503	3.8979
471.380	3.0481	472.429	3.1913	473.479	3.5139	474.528	3.8986
471.405	3.1325	472.454	3.1504	473.504	3.6557	474.553	3.9499
471.430	3.1336	472.479	3.1724	473.529	3.6577	474.578	3.9763
471.455	3.1348	472.504	3.1316	473.554	3.6125	474.603	3.9263
471.480	3.1360	472.529	3.1117	473.579	3.6145	474.628	3.9021
471.505	3.1373	472.554	3.1332	473.604	3.6165	474.653	3.9032
471.530	3.1811	472.579	3.0926	473.629	3.8612	474.678	3.8053
471.555	3.2037	472.604	3.0933	473.654	3.8631	474.703	3.8311
471.580	3.0989	472.629	3.1354	473.678	3.9667	474.728	4.0089
471.605	3.1000	472.654	3.1155	473.703	3.9683	474.753	3.9844
471.630	3.1010	472.679	3.1370	473.728	3.9698	474.778	4.0115
471.655	3.1020	472.704	3.1173	473.753	3.9711	474.803	4.1177
471.680	3.1030	472.729	3.1390	473.778	3.9723	474.828	4.1190
471.705	3.2751	472.754	3.2029	473.803	3.9220	474.853	3.9642
471.730	3.2761	472.779	3.2041	473.828	3.9486	474.878	3.9656
471.755	3.2773	472.804	3.2053	473.853	3.9239	474.903	3.9164
471.780	3.2568	472.829	3.2920	473.878	4.0809	474.928	3.9178
471.805	3.2802	472.854	3.2933	473.903	4.1353	474.953	3.9194
471.829	3.2818	472.879	3.2730	473.928	4.2737	474.978	3.9715
471.854	3.2836	472.904	3.2528	473.953	4.3027	475.003	3.9987
471.879	3.2855	472.929	3.2540	473.978	4.3035	475.028	3.9493
471.904	3.4214	472.954	3.2127	474.003	4.3044	475.053	3.9508
471.929	3.3558	472.979	3.2138	474.028	4.3054	475.078	3.9523
471.954	3.4027	473.004	3.3003	474.053	4.0342	475.103	3.8050
471.979	3.4045	473.029	3.3013	474.078	4.0354	475.128	3.8064
472.004	3.4063	473.054	3.3020	474.103	4.1431	475.153	3.7594
472.029	3.3186	473.079	3.2171	474.128	4.1444	475.178	3.8331
472.054	3.3422	473.104	3.2176	474.153	4.1458	475.203	3.8588
472.079	3.2995	473.129	3.2605	474.178	4.2292	475.228	3.8598
472.104	3.3008	473.154	3.2607	474.203	4.2307	475.253	3.8609
472.129	3.3021	473.179	3.3039	474.228	4.0965	475.278	3.7649
472.154	3.2383	473.204	3.3040	474.253	4.0977	475.303	3.7660
472.179	3.2613	473.229	3.3041	474.278	4.0989	475.328	3.7432
472.204	3.2197	473.254	3.3479	474.303	4.0470	475.353	3.7443



Table 2. Low Resolution Absorption Cross Section from 450-650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
475.378	3.7453	476.427	3.4955	477.476	3.2340	478.526	3.2360
475.403	3.8185	476.452	3.4110	477.501	3.2343	478.551	3.2369
475.428	3.8438	476.477	3.4347	477.526	3.2344	478.576	3.2579
475.452	3.8205	476.502	3.2690	477.551	3.2345	478.601	3.1027
475.477	3.8214	476.527	3.2920	477.576	3.2346	478.626	3.1038
475.502	3.8224	476.552	3.2739	477.601	3.2347	478.651	3.1050
475.527	3.7041	476.577	3.3175	477.626	3.3161	478.676	3.1062
475.552	3.7052	476.602	3.3196	477.651	3.3165	478.701	3.1075
475.577	3.7535	476.627	3.4698	477.676	3.3171	478.726	3.2450
475.602	3.7547	476.652	3.4713	477.701	3.3178	478.751	3.2461
475.627	3.7559	476.677	3.4726	477.726	3.2780	478.776	3.2472
475.652	3.4605	476.702	3.4952	477.751	3.3200	478.801	3.2483
475.677	3.4183	476.727	3.5177	477.776	3.3212	478.826	3.2492
475.702	3.3342	476.752	3.2849	477.801	3.3226	478.851	3.2700
475.727	3.3356	476.777	3.2851	477.826	3.3240	478.876	3.2910
475.752	3.3371	476.802	3.2852	477.851	3.2043	478.901	3.1929
475.777	3.2966	476.827	3.2851	477.876	3.2057	478.926	3.1744
475.802	3.2982	476.852	3.3057	477.901	3.2071	478.951	3.1950
475.827	3.4274	476.877	3.3473	477.926	3.1689	478.975	3.2552
475.852	3.4290	476.902	3.3474	477.951	3.1702	479.000	3.2764
475.877	3.4307	476.927	3.3269	477.976	3.3320	479.025	3.2978
475.902	3.4758	476.952	3.3273	478.001	3.3333	479.050	3.2992
475.927	3.4774	476.977	3.3280	478.026	3.3347	479.075	3.3007
475.952	3.5452	477.002	3.3289	478.051	3.4191	479.100	3.2622
475.977	3.5690	477.027	3.3300	478.076	3.3996	479.125	3.2635
476.002	3.5478	477.052	3.2088	478.101	3.2577	479.150	3.3858
476.027	3.4391	477.077	3.2102	478.126	3.2591	479.175	3.3868
476.052	3.4400	477.102	3.2118	478.151	3.2805	479.200	3.4082
476.077	3.3133	477.127	3.1735	478.176	3.2218	479.225	3.3071
476.102	3.3139	477.152	3.1952	478.201	3.2429	479.250	3.2875
476.127	3.3145	477.176	3.2573	478.226	3.1650	479.275	3.3890
476.152	3.3150	477.201	3.2592	478.251	3.1661	479.300	3.3484
476.177	3.3154	477.226	3.2610	478.276	3.1476	479.325	3.3895
476.202	3.4868	477.251	3.2225	478.301	3.1292	479.350	3.4940
476.227	3.4872	477.276	3.2244	478.326	3.1302	479.375	3.4944
476.252	3.4877	477.301	3.2665	478.351	3.1312	479.400	3.6242
476.277	3.4882	477.326	3.3090	478.376	3.1322	479.425	3.6250
476.302	3.4889	477.351	3.2698	478.401	3.1332	479.450	3.5825
476.327	3.4246	477.376	3.3120	478.426	3.0958	479.475	3.5838
476.352	3.4257	477.401	3.3131	478.451	3.0967	479.500	3.5852
476.377	3.4921	477.426	3.2328	478.476	3.1361	479.525	3.5436
476.402	3.4936	477.451	3.2335	478.501	3.1371	479.550	3.5451



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
479.575	3.6330	480.625	3.1177	481.674	3.1511	482.723	2.8022
479.600	3.6343	480.650	3.1003	481.699	3.1530	482.748	2.8031
479.625	3.6355	480.674	3.1206	481.724	3.1549	482.773	2.7872
479.650	3.6365	480.699	3.0850	481.749	3.1011	482.798	2.7880
479.675	3.6372	480.724	3.0869	481.774	3.1030	482.823	2.7888
479.700	3.5727	480.749	3.0890	481.799	3.1792	482.848	2.6907
479.725	3.5731	480.774	3.0725	481.824	3.1810	482.873	2.6915
479.750	3.5734	480.799	3.0931	481.849	3.1452	482.898	2.7248
479.775	3.6168	480.824	3.1325	481.874	3.1282	482.923	2.6605
479.800	3.6388	480.849	3.1343	481.899	3.1295	482.948	2.6612
479.825	3.6609	480.874	3.0986	481.924	3.1494	482.973	2.6781
479.850	3.6610	480.899	3.1001	481.949	3.1505	482.998	2.6627
479.875	3.6611	480.924	3.1015	481.974	3.0415	483.023	2.6474
479.900	3.5959	480.949	2.9928	481.999	3.0423	483.048	2.6323
479.925	3.5962	480.974	2.9941	482.024	3.0612	483.073	2.6492
479.950	3.5111	480.999	3.0499	482.049	2.9546	483.098	2.4627
479.975	3.5117	481.024	3.0696	482.074	2.9551	483.123	2.4637
480.000	3.5336	481.049	3.1454	482.099	2.9556	483.148	2.4954
480.025	3.4503	481.074	3.1281	482.124	2.9560	483.173	2.4965
480.050	3.4305	481.099	3.1295	482.149	2.9388	483.198	2.4977
480.075	3.3701	481.124	3.2066	482.174	2.9744	483.223	2.5923
480.100	3.4120	481.149	3.2080	482.199	2.9748	483.248	2.5937
480.125	3.3723	481.174	3.2092	482.224	2.9577	483.273	2.7071
480.150	3.2931	481.199	3.2102	482.249	2.9406	483.298	2.7085
480.175	3.2943	481.224	3.2109	482.274	2.9588	483.323	2.7101
480.200	3.2560	481.249	3.1734	482.299	2.8213	483.348	2.6793
480.225	3.2572	481.274	3.1736	482.324	2.8561	483.373	2.6810
480.250	3.1999	481.299	3.3879	482.349	2.8229	483.398	2.6031
480.275	3.2010	481.324	3.3878	482.374	2.8237	483.423	2.6049
480.300	3.2021	481.349	3.3877	482.399	2.8246	483.448	2.6068
480.325	3.2031	481.374	3.5102	482.424	2.7750	483.473	2.6245
480.350	3.2041	481.399	3.4896	482.448	2.7759	483.498	2.6422
480.375	3.2831	481.424	3.3483	482.473	2.9129	483.523	2.5810
480.400	3.2642	481.449	3.3095	482.498	2.9138	483.548	2.5826
480.425	3.2846	481.474	3.3104	482.523	2.9146	483.573	2.5841
480.450	3.2656	481.499	3.2531	482.548	2.7960	483.598	2.5853
480.475	3.2662	481.524	3.2545	482.573	2.7969	483.623	2.5863
480.500	3.2473	481.549	3.3145	482.598	2.8146	483.648	2.5252
480.525	3.2480	481.574	3.3358	482.623	2.7987	483.673	2.5258
480.550	3.2487	481.599	3.3179	482.648	2.7996	483.698	2.6197
480.575	3.2108	481.624	3.1849	482.673	2.8005	483.723	2.6201
480.600	3.2118	481.649	3.1868	482.698	2.8182	483.748	2.6205



Table 2. Low Resolution Absorption Cross Section from 450-650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
483.773	2.6527	484.822	2.6879	485.872	2.7447	486.921	2.7988
483.798	2.6533	484.847	2.6889	485.897	2.7620	486.946	2.7843
483.823	2.6223	484.872	2.7542	485.922	2.8117	486.971	2.8180
483.848	2.6231	484.897	2.7392	485.947	2.8128	486.996	2.8196
483.873	2.6239	484.922	2.7565	485.971	2.8138	487.021	2.7733
483.898	2.5316	484.947	2.7903	485.996	2.8146	487.046	2.7751
483.923	2.5325	484.972	2.7752	486.021	2.8152	487.071	2.7767
483.948	2.6904	484.997	2.7119	486.046	2.9144	487.096	2.6228
483.973	2.6754	485.022	2.7291	486.071	2.9146	487.121	2.6243
483.998	2.6924	485.047	2.7302	486.096	2.8485	487.146	2.5803
484.023	2.7418	485.072	2.7313	486.121	2.8485	487.171	2.5815
484.048	2.7428	485.097	2.7163	486.146	2.8323	487.196	2.5825
484.073	2.7764	485.122	2.7495	486.171	2.8818	487.221	2.6288
484.098	2.7774	485.147	2.7505	486.196	2.8822	487.246	2.6296
484.123	2.7947	485.172	2.8496	486.221	2.9328	487.271	2.5850
484.148	2.7791	485.197	2.8507	486.246	2.9337	487.296	2.5857
484.173	2.7799	485.222	2.8519	486.271	2.9347	487.321	2.5865
484.198	2.7480	485.247	2.7875	486.296	2.9697	487.346	2.6634
484.223	2.7486	485.272	2.7886	486.321	2.9881	487.371	2.6644
484.247	2.7493	485.297	2.7413	486.346	2.8559	487.396	2.7275
484.272	2.7175	485.322	2.7424	486.371	2.8574	487.421	2.7288
484.297	2.7182	485.347	2.7434	486.396	2.8589	487.446	2.7301
484.322	2.7511	485.372	2.7284	486.421	2.8603	487.471	2.6697
484.347	2.7518	485.397	2.7453	486.446	2.8615	487.496	2.6712
484.372	2.7525	485.422	2.7461	486.471	2.7816	487.521	2.7346
484.397	2.7532	485.447	2.7468	486.496	2.7666	487.546	2.7204
484.422	2.7540	485.472	2.7474	486.521	2.7674	487.571	2.7374
484.447	2.7548	485.497	2.5912	486.546	2.7206	487.596	2.8336
484.472	2.7557	485.522	2.5917	486.571	2.7212	487.621	2.8029
484.497	2.7567	485.547	2.6542	486.596	2.6439	487.646	2.8360
484.522	2.7740	485.572	2.6548	486.621	2.6292	487.671	2.8370
484.547	2.7587	485.597	2.6554	486.646	2.6298	487.696	2.6812
484.572	2.7598	485.622	2.7190	486.671	2.6924	487.720	2.6823
484.597	2.7608	485.647	2.7038	486.696	2.6932	487.746	2.6834
484.622	2.7617	485.672	2.7362	486.721	2.6322	487.771	2.7465
484.647	2.7626	485.697	2.7530	486.746	2.6331	487.795	2.7476
484.672	2.7634	485.722	2.7538	486.771	2.6342	487.820	2.7802
484.697	2.7158	485.747	2.7547	486.796	2.6973	487.845	2.7814
484.722	2.7165	485.772	2.7397	486.821	2.6985	487.870	2.7826
484.747	2.7657	485.797	2.7249	486.846	2.7311	487.895	2.7837
484.772	2.7665	485.822	2.7261	486.871	2.7324	487.920	2.7847
484.797	2.7673	485.847	2.7274	486.896	2.7814	487.945	2.8173



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
487.970	2.8023	489.020	3.5548	490.069	2.9857	491.119	2.5757
487.995	2.8189	489.045	3.5566	490.094	2.9702	491.144	2.5202
488.020	2.8195	489.070	3.3157	490.119	2.8589	491.169	2.5217
488.045	2.8201	489.095	3.3176	490.144	2.8911	491.194	2.5232
488.070	2.8685	489.120	3.2657	490.169	2.8287	491.219	2.4548
488.095	2.8688	489.145	3.2498	490.194	2.8292	491.243	2.4563
488.120	2.8691	489.170	3.2693	490.219	2.9246	491.268	2.4718
488.145	2.8855	489.195	3.2006	490.244	2.9251	491.293	2.4732
488.170	2.9019	489.220	3.2021	490.269	2.9256	491.318	2.4746
488.195	3.0010	489.245	3.1861	490.294	3.0403	491.343	2.4758
488.220	3.0012	489.270	3.1873	490.319	3.0410	491.368	2.4909
488.245	3.0016	489.295	3.1884	490.344	2.9277	491.393	2.6345
488.270	2.9358	489.320	3.2243	490.369	2.9126	491.418	2.6501
488.295	2.9364	489.345	3.2427	490.394	2.9135	491.443	2.6509
488.320	3.0369	489.370	3.2966	490.419	2.9146	491.468	2.5368
488.345	3.0210	489.395	3.2972	490.444	2.9156	491.493	2.5377
488.370	3.0220	489.420	3.1920	490.469	2.8691	491.518	2.5385
488.395	3.2841	489.444	3.1922	490.494	2.8703	491.543	2.5394
488.420	3.2853	489.469	3.1923	490.519	2.8715	491.568	2.5403
488.445	3.3596	489.494	3.2979	490.544	2.7794	491.593	2.4851
488.470	3.3609	489.519	3.2977	490.569	2.7807	491.618	2.4861
488.495	3.3622	489.544	3.1402	490.594	2.7820	491.643	2.5716
488.520	3.3635	489.569	3.1399	490.619	2.7835	491.668	2.5725
488.545	3.3648	489.594	3.1398	490.644	2.8158	491.693	2.5734
488.570	3.3294	489.619	3.0887	490.669	2.7106	491.718	2.6030
488.595	3.3305	489.644	3.0718	490.694	2.7122	491.743	2.6039
488.620	3.3868	489.669	3.0552	490.719	2.6247	491.768	2.6628
488.645	3.4064	489.694	3.0555	490.744	2.6263	491.793	2.6638
488.670	3.4073	489.719	3.0559	490.769	2.6279	491.818	2.6359
488.695	3.5026	489.744	3.1069	490.794	2.6885	491.843	2.6372
488.720	3.5035	489.769	3.1075	490.819	2.6900	491.868	2.6241
488.745	3.4101	489.794	3.0913	490.844	2.6618	491.893	2.7133
488.770	3.3924	489.819	3.0753	490.869	2.6632	491.918	2.7149
488.795	3.3933	489.844	3.0930	490.894	2.6646	491.943	2.7462
488.820	3.4314	489.869	2.9942	490.919	2.6660	491.968	2.7329
488.845	3.4510	489.894	2.9951	490.944	2.6674	491.993	2.7492
488.870	3.6850	489.919	2.9635	490.969	2.6395	492.018	2.7655
488.895	3.6860	489.944	2.9645	490.994	2.6409	492.043	2.7816
488.920	3.6871	489.969	2.9818	491.019	2.5987	492.068	2.6934
488.945	3.6286	489.994	3.0322	491.044	2.6001	492.093	2.6794
488.970	3.6102	490.019	3.0332	491.069	2.5871	492.118	2.6652
488.995	3.5532	490.044	2.9685	491.094	2.5598	492.143	2.6946



Table 2. Low Resolution Absorption Cross Section from 450-650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
492.168	2.7092	493.217	2.7215	494.267	2.8568	495.316	2.8320
492.193	2.7237	493.242	2.6934	494.292	2.7974	495.341	2.7603
492.218	2.7234	493.267	2.7089	494.317	2.7974	495.366	2.7616
492.243	2.7231	493.292	2.6954	494.342	3.0421	495.391	2.6768
492.268	2.7228	493.317	2.7550	494.367	3.0579	495.416	2.6777
492.293	2.7227	493.342	2.7561	494.392	3.0578	495.441	2.6784
492.318	2.7226	493.367	2.7277	494.417	3.0262	495.466	2.6230
492.343	2.7228	493.392	2.7288	494.442	3.0262	495.491	2.6236
492.368	2.7232	493.417	2.7298	494.467	3.0263	495.516	2.7373
492.393	2.7238	493.442	2.7900	494.492	3.0265	495.541	2.7379
492.418	2.7246	493.467	2.7910	494.517	3.0268	495.566	2.7387
492.443	2.6670	493.492	2.7623	494.542	2.9958	495.591	2.8415
492.468	2.6681	493.517	2.7634	494.567	2.9964	495.616	2.8424
492.493	2.6694	493.542	2.8241	494.592	3.0761	495.641	2.9030
492.518	2.5702	493.567	2.8253	494.617	3.0930	495.666	2.8741
492.543	2.5714	493.592	2.8266	494.642	3.0941	495.691	2.8752
492.568	2.5725	493.617	2.7981	494.667	3.0476	495.716	2.7735
492.593	2.5733	493.642	2.7997	494.692	3.0649	495.741	2.7602
492.618	2.5739	493.667	2.8015	494.716	2.9110	495.766	2.8194
492.643	2.6893	493.692	2.8033	494.741	2.9127	495.791	2.8204
492.668	2.6749	493.717	2.8351	494.767	2.9144	495.816	2.8213
492.693	2.6749	493.742	2.7773	494.791	3.1520	495.841	2.8813
492.718	2.6749	493.767	2.7791	494.816	3.1535	495.866	2.8672
492.743	2.6749	493.792	2.7222	494.841	3.1550	495.891	2.8827
492.768	2.6749	493.817	2.7237	494.866	3.1725	495.916	2.8834
492.793	2.6751	493.842	2.7250	494.891	3.1573	495.941	2.8841
492.818	2.6610	493.867	2.7262	494.916	3.0148	495.966	2.7387
492.843	2.6616	493.892	2.7273	494.941	3.0154	495.991	2.7538
492.868	2.6623	493.917	2.7282	494.966	3.0315	496.016	2.8272
492.893	2.6632	493.942	2.7291	494.991	3.0162	496.041	2.8428
492.918	2.6643	493.967	2.7299	495.016	3.0164	496.066	2.7565
492.943	2.6079	493.992	2.7894	495.041	2.9090	496.091	2.7864
492.968	2.6091	494.017	2.7902	495.066	2.8942	496.116	2.7875
492.993	2.5819	494.042	2.8507	495.091	2.8796	496.141	2.7886
493.018	2.5831	494.067	2.8516	495.116	2.8803	496.166	2.7897
493.043	2.5842	494.092	2.8525	495.141	2.7921	496.191	2.7333
493.067	2.6858	494.117	2.8235	495.166	2.7932	496.216	2.7343
493.092	2.6869	494.142	2.8094	495.191	2.7945	496.241	2.7351
493.117	2.7173	494.167	2.8701	495.216	2.7960	496.266	2.8079
493.142	2.7184	494.192	2.8707	495.241	2.7977	496.291	2.8086
493.167	2.7195	494.217	2.8864	495.266	2.8288	496.316	2.8385
493.192	2.7352	494.242	2.8566	495.291	2.8305	496.341	2.8390



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
496.366	2.8395	497.415	2.5101	498.464	2.0764	499.514	1.9945
496.391	2.8254	497.440	2.4706	498.489	2.0773	499.539	1.9959
496.416	2.8113	497.465	2.4708	498.514	2.0782	499.564	1.9972
496.441	2.8118	497.490	2.5105	498.539	2.0213	499.589	1.9537
496.466	2.8123	497.515	2.5109	498.564	2.0221	499.614	1.9549
496.491	2.8130	497.540	2.5113	498.589	2.1272	499.639	1.9559
496.516	2.7704	497.565	2.4074	498.614	2.1516	499.664	1.9568
496.540	2.7713	497.590	2.4081	498.639	2.1287	499.689	1.9576
496.565	2.8012	497.615	2.3578	498.664	2.0827	499.714	2.0144
496.590	2.8023	497.640	2.3587	498.689	2.0834	499.739	2.0150
496.615	2.8036	497.665	2.3853	498.714	2.0841	499.764	2.0044
496.640	2.9679	497.690	2.3864	498.739	2.0847	499.789	2.0052
496.665	2.9694	497.715	2.3876	498.764	2.0853	499.814	2.0060
496.690	2.9107	497.740	2.3632	498.789	2.0859	499.839	1.9622
496.715	2.9122	497.765	2.3643	498.814	2.0865	499.864	1.9522
496.740	2.9136	497.790	2.3148	498.839	2.1104	499.889	1.9094
496.765	2.8705	497.815	2.3156	498.864	2.1111	499.914	1.8998
496.790	2.8571	497.840	2.3162	498.889	2.1117	499.939	1.9012
496.815	2.9926	497.865	2.2670	498.914	2.1360	499.964	1.8918
496.840	2.9936	497.890	2.2673	498.939	2.1367	499.989	1.8933
496.865	2.9192	497.915	2.2307	498.964	2.0908	500.013	1.9056
496.890	2.9200	497.940	2.2308	498.989	2.0916	500.039	1.8960
496.915	2.9207	497.965	2.2310	499.014	2.0924	500.063	1.8863
496.940	2.7186	497.990	2.2803	499.039	2.1166	500.088	1.9310
496.965	2.7192	498.015	2.2681	499.064	2.0940	500.113	1.9319
496.990	2.6640	498.040	2.3432	499.089	2.0601	500.138	1.9107
497.015	2.6646	498.065	2.3437	499.114	2.0609	500.163	1.8251
497.040	2.6653	498.090	2.3568	499.139	2.0616	500.188	1.8577
497.065	2.6383	498.115	2.3703	499.164	1.9826	500.213	1.8582
497.090	2.6390	498.140	2.3712	499.189	1.9833	500.238	1.8803
497.115	2.6398	498.165	2.2970	499.214	2.0636	500.263	1.8593
497.140	2.6268	498.190	2.2983	499.239	2.0643	500.288	1.8599
497.165	2.6413	498.215	2.3123	499.264	2.0649	500.313	1.9039
497.190	2.6010	498.240	2.2157	499.289	2.0426	500.338	1.8939
497.215	2.5881	498.264	2.2297	499.314	2.0433	500.363	1.8949
497.240	2.5618	498.289	2.1713	499.339	1.9985	500.388	1.9178
497.265	2.5624	498.314	2.1732	499.364	1.9993	500.413	1.9190
497.290	2.5628	498.339	2.1751	499.389	2.0456	500.438	1.8984
497.315	2.5363	498.364	2.1412	499.414	2.0465	500.463	1.9105
497.340	2.5365	498.389	2.1429	499.439	2.0476	500.488	1.9117
497.365	2.5100	498.414	2.0856	499.464	1.9920	500.513	1.9127
497.390	2.5101	498.439	2.0752	499.489	1.9932	500.538	1.9027



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
500.563	1.9251	501.613	2.0979	502.662	2.4591	503.711	2.1400
500.588	1.9256	501.638	2.0997	502.687	2.4724	503.736	2.1407
500.613	1.9258	501.663	2.1243	502.712	2.3990	503.761	2.1413
500.638	1.9259	501.688	2.1263	502.737	2.3996	503.786	2.1306
500.663	1.9259	501.713	2.1283	502.762	2.4001	503.811	2.0645
500.688	1.9477	501.738	2.1303	502.787	2.3521	503.836	2.0541
500.713	1.9475	501.763	2.1322	502.812	2.3525	503.861	2.0548
500.738	1.8928	501.788	2.1111	502.837	2.4506	503.886	2.1000
500.763	1.8928	501.813	2.1126	502.862	2.4387	503.911	2.1010
500.788	1.8928	501.837	2.1139	502.887	2.4639	503.936	2.1471
500.813	1.9696	501.862	2.1148	502.912	2.4645	503.961	2.1261
500.838	1.9699	501.887	2.1155	502.937	2.4651	503.986	2.1501
500.863	1.9705	501.912	2.1159	502.962	2.5158	504.011	2.1293
500.888	1.9711	501.937	2.1160	502.987	2.5166	504.036	2.1310
500.913	1.9719	501.962	2.1160	503.012	2.6589	504.061	2.1663
500.938	1.9289	501.987	2.1386	503.037	2.6599	504.086	2.1678
500.963	1.9298	502.012	2.1383	503.062	2.6610	504.111	2.1692
500.988	1.9528	502.037	2.2425	503.087	2.5972	504.136	2.1930
501.013	1.9538	502.062	2.2423	503.112	2.5983	504.161	2.1939
501.038	1.9549	502.087	2.2896	503.137	2.4114	504.186	2.2983
501.063	2.0002	502.112	2.2896	503.162	2.4125	504.211	2.2987
501.088	2.0013	502.137	2.2779	503.187	2.4136	504.236	2.2988
501.113	2.0924	502.162	2.2902	503.212	2.3063	504.261	2.3817
501.138	2.1048	502.187	2.2788	503.237	2.3071	504.286	2.3815
501.163	2.1056	502.212	2.2677	503.262	2.2842	504.311	2.3813
501.188	2.1874	502.237	2.2686	503.287	2.3085	504.336	2.3812
501.213	2.1880	502.262	2.2696	503.312	2.2738	504.361	2.3811
501.238	2.2357	502.287	2.2826	503.337	2.2509	504.386	2.4659
501.263	2.2126	502.312	2.2957	503.362	2.2399	504.411	2.4661
501.288	2.1896	502.337	2.2970	503.387	2.2873	504.436	2.6168
501.313	2.1901	502.362	2.2983	503.412	2.3116	504.461	2.6047
501.338	2.1906	502.387	2.2996	503.437	2.2889	504.486	2.6184
501.363	2.1679	502.412	2.2772	503.462	2.3134	504.511	2.5311
501.388	2.1802	502.437	2.2549	503.487	2.3145	504.536	2.5200
501.413	2.0888	502.462	2.3156	503.512	2.1422	504.561	2.4968
501.438	2.0896	502.487	2.3169	503.536	2.1434	504.586	2.5108
501.463	2.0905	502.512	2.3302	503.561	2.1448	504.611	2.5001
501.488	2.0914	502.537	2.4166	503.586	2.1012	504.636	2.5018
501.513	2.0925	502.562	2.4178	503.611	2.1136	504.661	2.5036
501.538	2.0936	502.587	2.3945	503.636	2.0483	504.686	2.6053
501.563	2.0949	502.612	2.3956	503.661	2.0493	504.711	2.6069
501.588	2.0963	502.637	2.3966	503.686	2.0502	504.736	2.6723



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
504.761	2.6735	505.810	2.1877	506.860	2.1110	507.909	2.1051
504.786	2.6746	505.835	2.1877	506.885	2.1117	507.934	2.0532
504.811	2.7804	505.860	2.1875	506.910	2.2226	507.959	2.0545
504.836	2.7811	505.885	2.1762	506.935	2.2233	507.984	2.0559
504.861	2.8761	505.910	2.1207	506.960	2.2353	508.009	2.1104
504.886	2.8766	505.935	2.1205	506.985	2.2362	508.034	2.1118
504.911	2.8770	505.960	2.1204	507.010	2.2149	508.059	2.1781
504.936	2.7830	505.985	2.1204	507.035	2.2272	508.084	2.1794
504.961	2.7834	506.010	2.1205	507.060	2.2285	508.109	2.1806
504.986	2.6660	506.035	2.1872	507.085	2.0765	508.134	2.2479
505.011	2.6664	506.060	2.1876	507.110	2.0780	508.159	2.2490
505.036	2.6670	506.085	2.1770	507.134	2.1117	508.184	2.2058
505.061	2.6676	506.110	2.1667	507.159	2.1347	508.209	2.2068
505.086	2.6684	506.135	2.1565	507.184	2.1360	508.234	2.2077
505.111	2.5929	506.160	2.1465	507.209	2.0723	508.259	2.1541
505.136	2.5939	506.185	2.1477	507.234	2.0839	508.284	2.1550
505.161	2.5951	506.210	2.2498	507.259	2.1170	508.309	2.1559
505.186	2.5586	506.235	2.2511	507.284	2.1175	508.334	2.1459
505.211	2.5475	506.260	2.2523	507.309	2.1179	508.359	2.1576
505.236	2.6241	506.285	2.2083	507.334	2.0859	508.384	2.0835
505.261	2.6254	506.310	2.2207	507.359	2.0861	508.409	2.0738
505.286	2.6267	506.335	2.1770	507.384	2.0015	508.434	2.1279
505.311	2.5651	506.360	2.1780	507.409	2.0016	508.459	2.1287
505.335	2.5663	506.385	2.1790	507.434	2.0017	508.484	2.1295
505.360	2.6051	506.410	2.2930	507.459	2.0122	508.509	2.2501
505.385	2.6062	506.435	2.3055	507.484	2.0124	508.534	2.2397
505.410	2.5572	506.460	2.2381	507.509	2.0976	508.559	2.3186
505.435	2.5581	506.485	2.2392	507.534	2.0979	508.584	2.3080
505.460	2.5590	506.510	2.2404	507.559	2.0983	508.609	2.2973
505.485	2.4982	506.535	2.2303	507.584	2.1314	508.634	2.3659
505.510	2.4989	506.560	2.2316	507.609	2.1322	508.659	2.3780
505.535	2.4270	506.585	2.1002	507.634	2.0580	508.684	2.3558
505.560	2.4276	506.610	2.1123	507.659	2.0380	508.709	2.3452
505.585	2.4282	506.635	2.1136	507.684	2.0499	508.734	2.2011
505.610	2.2878	506.660	2.1476	507.709	1.9264	508.759	2.2019
505.635	2.2882	506.685	2.1488	507.734	1.9279	508.784	2.2028
505.660	2.2886	506.710	2.2164	507.759	1.9499	508.809	2.1495
505.685	2.2890	506.735	2.2062	507.784	1.9616	508.833	2.1504
505.710	2.2893	506.760	2.2183	507.809	1.9528	508.858	2.1945
505.735	2.2211	506.785	2.1307	507.834	2.0164	508.883	2.1954
505.760	2.2213	506.810	2.1533	507.859	2.0178	508.908	2.1854
505.785	2.1877	506.835	2.1104	507.884	2.1039	508.933	2.3301



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
508.958	2.3309	510.008	2.4082	511.057	2.2285	512.107	2.1462
508.983	2.3317	510.033	2.3629	511.082	2.2191	512.132	2.1254
509.008	2.3325	510.058	2.3632	511.107	2.2203	512.157	2.1255
509.033	2.3333	510.083	2.3635	511.132	2.2215	512.182	2.2202
509.058	2.3568	510.108	2.3638	511.157	2.2549	512.207	2.2207
509.083	2.3577	510.133	2.3642	511.182	2.2559	512.232	2.2319
509.108	2.3815	510.158	2.3309	511.207	2.1607	512.257	2.1276
509.133	2.3825	510.183	2.3315	511.232	2.1510	512.282	2.1285
509.158	2.3834	510.208	2.3322	511.257	2.1939	512.307	2.2990
509.183	2.4421	510.233	2.3554	511.282	2.1946	512.332	2.3000
509.208	2.4431	510.258	2.3562	511.307	2.1953	512.357	2.3012
509.233	2.4908	510.283	2.3571	511.332	2.2172	512.381	2.2916
509.258	2.4917	510.308	2.3581	511.357	2.2286	512.406	2.2929
509.283	2.5161	510.333	2.2048	511.382	2.2833	512.431	2.2299
509.308	2.3887	510.358	2.2166	511.407	2.2732	512.456	2.2313
509.333	2.3893	510.383	2.2175	511.432	2.2848	512.482	2.2327
509.358	2.2332	510.408	2.2293	511.457	2.2856	512.506	2.2342
509.383	2.2448	510.433	2.2301	511.482	2.2756	512.531	2.2462
509.408	2.2454	510.458	2.2418	511.507	2.1276	512.556	2.3339
509.433	2.2681	510.483	2.2317	511.532	2.1285	512.581	2.3352
509.458	2.2688	510.508	2.2324	511.557	2.1294	512.606	2.3363
509.483	2.3478	510.533	2.3432	511.582	2.0685	512.631	2.4595
509.508	2.3486	510.558	2.3327	511.607	2.0696	512.656	2.4604
509.533	2.3495	510.583	2.3112	511.632	2.0200	512.681	2.2634
509.558	2.3504	510.608	2.3232	511.657	2.0213	512.706	2.2748
509.583	2.3512	510.632	2.3242	511.682	2.0227	512.731	2.2753
509.608	2.2190	510.657	2.1942	511.707	1.9941	512.756	2.1702
509.633	2.2090	510.682	2.1955	511.732	1.9956	512.781	2.1706
509.658	2.3424	510.707	2.2184	511.757	1.9971	512.806	2.1503
509.683	2.3208	510.732	2.2308	511.782	1.9986	512.831	2.1508
509.708	2.3216	510.757	2.2324	511.807	1.9999	512.856	2.0695
509.733	2.5296	510.782	2.2018	511.832	2.0313	512.881	2.0802
509.758	2.5304	510.807	2.2142	511.857	2.0424	512.906	2.0808
509.783	2.5910	510.832	2.2591	511.882	2.0635	512.931	2.0613
509.808	2.5918	510.857	2.2498	511.907	2.0641	512.956	2.0620
509.833	2.6046	510.882	2.2622	511.932	2.0644	512.981	2.0629
509.858	2.5335	510.907	2.2745	511.957	2.1262	513.006	2.0637
509.883	2.4987	510.932	2.2760	511.982	2.1262	513.031	2.0646
509.908	2.4876	510.957	2.2556	512.007	2.1261	513.056	1.9856
509.933	2.4764	510.982	2.2461	512.032	2.1259	513.081	1.9865
509.958	2.4885	511.007	2.2691	512.057	2.1673	513.106	2.0371
509.983	2.4079	511.032	2.2272	512.082	2.1463	513.131	2.0280



Table 2. Low Resolution Absorption Cross Section from 450-650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
513.156	2.0388	514.205	1.8663	515.255	1.7823	516.304	1.6869
513.181	2.0396	514.230	1.9724	515.280	1.8016	516.329	1.6875
513.206	2.0404	514.255	1.9926	515.305	1.8026	516.354	1.6882
513.231	1.9914	514.280	1.9352	515.330	1.7307	516.379	1.6890
513.256	1.9921	514.305	1.9361	515.355	1.7316	516.404	1.6987
513.281	1.9927	514.330	1.9372	515.380	1.6966	516.429	1.6995
513.306	1.9736	514.355	1.8527	515.405	1.6975	516.454	1.7093
513.331	1.9840	514.380	1.8634	515.430	1.6895	516.479	1.7015
513.356	1.9551	514.405	1.9796	515.455	1.7352	516.504	1.6761
513.381	1.9460	514.430	1.9810	515.480	1.7361	516.529	1.6772
513.406	1.9661	514.455	2.0019	515.505	1.7460	516.554	1.7404
513.431	1.9864	514.480	1.8972	515.530	1.7469	516.579	1.7416
513.456	1.9872	514.505	1.8796	515.555	1.7478	516.604	1.7429
513.481	1.9198	514.530	1.8433	515.580	1.7126	516.629	1.6646
513.506	1.9110	514.555	1.8539	515.605	1.7133	516.654	1.6660
513.531	1.9119	514.580	1.9023	515.630	1.7769	516.679	1.6066
513.556	1.8936	514.605	1.9033	515.655	1.7865	516.704	1.6079
513.581	1.9042	514.630	1.9043	515.680	1.7868	516.729	1.6091
513.606	1.9148	514.655	1.8861	515.705	1.8145	516.754	1.5675
513.631	1.9157	514.680	1.8868	515.730	1.8147	516.779	1.5686
513.656	2.0044	514.705	1.9349	515.755	1.7783	516.804	1.5526
513.681	2.0052	514.730	1.9449	515.780	1.7875	516.829	1.5449
513.706	2.0061	514.755	1.9453	515.805	1.7786	516.854	1.5541
513.731	2.0068	514.780	1.9074	515.830	1.7517	516.879	1.5802
513.756	2.0075	514.805	1.9076	515.854	1.7520	516.904	1.5807
513.781	1.9787	514.830	1.8795	515.879	1.7166	516.929	1.5306
513.806	1.9793	514.855	1.8704	515.904	1.7173	516.954	1.5312
513.831	1.9996	514.880	1.8707	515.929	1.7182	516.979	1.4735
513.856	1.9224	514.905	1.8429	515.954	1.6836	517.004	1.4742
513.881	1.9231	514.930	1.8340	515.979	1.6847	517.029	1.4832
513.906	1.9627	514.955	1.8438	516.004	1.6595	517.054	1.4593
513.931	1.9635	514.980	1.8443	516.029	1.6607	517.079	1.4519
513.956	1.9645	515.005	1.8450	516.054	1.6619	517.104	1.5107
513.981	1.8600	515.030	1.8458	516.079	1.6630	517.129	1.5117
514.005	1.8609	515.055	1.8468	516.104	1.6553	517.154	1.5126
514.031	1.7963	515.080	1.7923	516.129	1.6914	517.179	1.5135
514.056	1.7879	515.105	1.7934	516.154	1.7011	517.204	1.5143
514.081	1.7979	515.130	1.7947	516.179	1.7018	517.229	1.5824
514.105	1.8172	515.155	1.8422	516.204	1.6935	517.254	1.5831
514.130	1.8178	515.180	1.8527	516.229	1.6941	517.279	1.5838
514.155	1.8653	515.205	1.7892	516.254	1.7124	517.304	1.5172
514.180	1.8658	515.230	1.7812	516.279	1.7129	517.329	1.5180



Table 2. Low Resolution Absorption Cross Section from 450-650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
517.354	1.5022	518.403	1.8262	519.452	1.8718	520.502	1.6644
517.379	1.5198	518.428	1.8270	519.477	1.8721	520.527	1.6658
517.404	1.5207	518.453	1.8280	519.502	1.8188	520.552	1.6169
517.429	1.5469	518.478	1.9018	519.527	1.8193	520.577	1.6184
517.454	1.5563	518.503	1.9030	519.552	1.8199	520.602	1.6200
517.479	1.5912	518.528	1.8315	519.577	1.9291	520.627	1.6635
517.504	1.5921	518.553	1.8329	519.602	1.9210	520.652	1.6736
517.529	1.5930	518.578	1.8342	519.627	1.9132	520.677	1.6248
517.554	1.5515	518.603	1.8718	519.652	1.9146	520.702	1.6265
517.579	1.5521	518.628	1.8730	519.677	1.9071	520.727	1.6280
517.604	1.5442	518.653	1.8741	519.702	1.8456	520.752	1.6630
517.628	1.5446	518.678	1.8751	519.727	1.8473	520.777	1.6645
517.654	1.5450	518.703	1.9494	519.752	1.7345	520.802	1.6491
517.678	1.5287	518.728	1.9501	519.777	1.7446	520.827	1.6503
517.703	1.5292	518.753	1.9507	519.802	1.7373	520.852	1.6431
517.728	1.4965	518.778	1.8146	519.827	1.7907	520.877	1.6357
517.753	1.4970	518.803	1.8150	519.852	1.7916	520.902	1.6366
517.778	1.4977	518.828	1.7535	519.877	1.8543	520.927	1.5959
517.803	1.5316	518.853	1.7541	519.902	1.8639	520.952	1.5965
517.828	1.5324	518.878	1.7547	519.927	1.8554	520.977	1.5971
517.853	1.6005	518.903	1.7996	519.952	1.8114	521.002	1.5811
517.878	1.6015	518.928	1.8004	519.977	1.8117	521.027	1.5814
517.903	1.6109	518.953	1.7836	520.002	1.7421	521.052	1.5406
517.928	1.6119	518.978	1.8022	520.027	1.7424	521.077	1.5574
517.953	1.6129	519.003	1.7943	520.052	1.7427	521.102	1.5494
517.978	1.6055	519.028	1.7250	520.077	1.8932	521.126	1.5091
518.003	1.6065	519.053	1.7260	520.102	1.8935	521.151	1.5093
518.028	1.6159	519.078	1.7444	520.127	1.7958	521.177	1.4933
518.053	1.6168	519.103	1.7454	520.152	1.7960	521.201	1.4935
518.078	1.6176	519.128	1.7463	520.177	1.7961	521.226	1.4778
518.103	1.6785	519.153	1.8537	520.202	1.7875	521.251	1.4780
518.128	1.6878	519.178	1.8547	520.227	1.7789	521.276	1.4784
518.153	1.6797	519.203	1.8556	520.252	1.7790	521.301	1.5108
518.178	1.6889	519.228	1.8566	520.277	1.7791	521.326	1.5113
518.203	1.6807	519.253	1.8576	520.302	1.7272	521.351	1.4798
518.228	1.6553	519.278	1.9130	520.327	1.7274	521.376	1.4802
518.253	1.6558	519.303	1.9230	520.352	1.7363	521.401	1.4807
518.278	1.6821	519.328	1.8693	520.377	1.6853	521.426	1.5131
518.303	1.6912	519.353	1.8610	520.402	1.6859	521.451	1.5056
518.328	1.6831	519.377	1.8706	520.427	1.6275	521.476	1.5140
518.353	1.7360	519.402	1.9904	520.452	1.6285	521.501	1.5145
518.378	1.7366	519.427	1.9907	520.477	1.6296	521.526	1.5149



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
521.551	1.5722	522.601	1.5507	523.650	1.5357	524.699	1.7671
521.576	1.5728	522.626	1.5516	523.675	1.5362	524.724	1.7676
521.601	1.5654	522.651	1.5528	523.700	1.5209	524.749	1.7766
521.626	1.5744	522.676	1.5540	523.725	1.5215	524.774	1.7772
521.651	1.5754	522.701	1.5474	523.750	1.5063	524.799	1.9410
521.676	1.5602	522.726	1.6216	523.775	1.5070	524.824	1.9418
521.701	1.5614	522.751	1.6230	523.800	1.5155	524.849	1.9427
521.726	1.5872	522.776	1.5676	523.825	1.5399	524.874	1.9613
521.751	1.5804	522.801	1.5689	523.850	1.5406	524.899	1.9624
521.776	1.5818	522.826	1.5621	523.875	1.4940	524.924	2.0801
521.801	1.5347	522.851	1.5633	523.900	1.5025	524.949	2.0721
521.826	1.5362	522.875	1.5563	523.925	1.4953	524.974	2.0823
521.851	1.5297	522.901	1.5493	523.950	1.5275	524.999	2.1476
521.876	1.5312	522.926	1.5502	523.975	1.5282	525.024	2.1485
521.901	1.5326	522.950	1.5510	524.000	1.7237	525.049	2.0127
521.926	1.5100	522.975	1.5518	524.025	1.7246	525.074	2.0134
521.951	1.5194	523.000	1.5525	524.050	1.7255	525.099	2.0139
521.976	1.5854	523.025	1.5135	524.075	1.6198	525.124	1.9524
522.001	1.5948	523.050	1.5142	524.100	1.6209	525.149	2.1146
522.026	1.5636	523.075	1.5949	524.125	1.5658	525.174	2.1243
522.051	1.5649	523.100	1.5956	524.150	1.5669	525.199	2.1157
522.076	1.5580	523.125	1.5962	524.175	1.5680	525.224	2.1532
522.101	1.5998	523.150	1.5808	524.200	1.6173	525.249	2.1540
522.126		523.175	1.5814	524.225	1.6104	525.274	2.1456
522.151	1.5938	523.200	1.5420	524.250	1.6684	525.299	2.0823
522.176	1.6029	523.225	1.5425	524.275	1.6615	525.324	2.0833
522.201	1.6037	523.250	1.5431	524.300	1.6709	525.349	2.0482
522.226	1.6208	523.275	1.6487	524.325	1.7549	525.374	2.0493
522.251	1.6213	523.300	1.6493	524.350	1.7561	525.399	2.0504
522.276	1.5729	523.325	1.6499	524.375	1.6827	525.424	2.1059
522.301	1.5731	523.350	1.6506	524.400	1.6839	525.449	2.0977
522.326	1.5732	523.375	1.6512	524.425	1.6850	525.474	2.1261
522.351	1.5330	523.400	1.5151	524.450	1.6697	525.499	2.1270
522.376	1.5330	523.425	1.5158	524.475	1.6788	525.524	2.1278
522.401	1.5010	523.450	1.5085	524.500	1.6879	525.549	2.0111
522.426	1.5009	523.475	1.5012	524.525	1.6805	525.574	2.0118
522.451	1.5008	523.500	1.5017	524.550	1.7807	525.599	2.0664
522.476	1.5326	523.525	1.4944	524.575	1.7729	525.624	2.0672
522.501	1.5327	523.550	1.4948	524.600	1.7735	525.649	2.0142
522.526	1.5731	523.575	1.4639	524.625	1.7489	525.674	2.0151
522.551	1.5735	523.600	1.4643	524.650	1.7494	525.699	2.0159
522.576	1.5741	523.625	1.5353	524.675	1.7666	525.724	1.9901



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
525.749	1.9908	526.798	1.9541	527.848	1.6543	528.897	1.4806
525.774	1.8785	526.823	1.9118	527.873	1.7183	528.922	1.5112
525.799	1.8790	526.848	1.9126	527.898	1.7185	528.947	1.5269
525.824	1.8795	526.873	1.9133	527.923	1.7188	528.972	1.5275
525.849	1.9927	526.898	1.8632	527.948	1.6712	528.997	1.5281
525.874	1.9930	526.923	1.8808	527.973	1.6716	529.022	1.5439
525.899	1.9232	526.948	1.8647	527.998	1.7039	529.047	1.4992
525.924	1.9234	526.973	1.8656	528.023	1.7045	529.072	1.4998
525.949	1.9236	526.998	1.8664	528.048	1.7454	529.097	1.4855
525.974	1.9587	527.023	1.7922	528.073	1.7462	529.122	1.4863
525.999	1.9590	527.048	1.7930	528.098	1.7471	529.147	1.4945
526.024	1.9945	527.073	1.7042	528.123	1.7481	529.172	1.5254
526.049	1.9950	527.098	1.7130	528.148	1.7491	529.197	1.5188
526.074	1.9868	527.123	1.7219	528.173	1.6939	529.222	1.5048
526.099	1.8918	527.148	1.7226	528.198	1.6949	529.247	1.5059
526.124	1.9010	527.173	1.7233	528.222	1.6959	529.272	1.5071
526.149	1.8675	527.198	1.6202	528.247	1.6809	529.297	1.5688
526.174	1.8682	527.223	1.6286	528.272	1.6818	529.322	1.5777
526.199	1.8689	527.248	1.6370	528.297	1.6276	529.347	1.5258
526.224	1.9125	527.273	1.6375	528.322	1.6285	529.372	1.5269
526.249	1.9219	527.298	1.6379	528.347	1.6293	529.397	1.5280
526.274	2.0014	527.323	1.6383	528.372	1.6615	529.422	1.5139
526.299	2.0024	527.348	1.6388	528.397	1.6545	529.447	1.5148
526.323	2.0035	527.373	1.6552	528.422	1.6710	529.472	1.5081
526.349	2.0850	527.398	1.6558	528.447	1.6718	529.497	1.5013
526.374	2.0863	527.423	1.6565	528.472	1.6725	529.522	1.5019
526.398	2.0339	527.448	1.6732	528.497	1.6495	529.547	1.5025
526.424	2.0175	527.473	1.6742	528.522	1.6500	529.572	1.5031
526.448	1.9749	527.498	1.7152	528.547	1.6348	529.597	1.4151
526.473	1.9762	527.523	1.7082	528.572	1.6352	529.622	1.4156
526.498	1.9775	527.548	1.7173	528.597	1.6355	529.647	1.4161
526.523	1.9527	527.573	1.7345	528.622	1.6358	529.672	1.4166
526.548	1.9452	527.598	1.7356	528.647	1.6361	529.697	1.4098
526.573	1.9636	527.623	1.7366	528.672	1.5745	529.722	1.4176
526.598	1.9647	527.648	1.7375	528.697	1.5748	529.747	1.4180
526.623	1.9743	527.673	1.7383	528.722	1.5752	529.772	1.4039
526.648	2.0191	527.698	1.6829	528.747	1.5603	529.797	1.3971
526.673	2.0200	527.723	1.6836	528.772	1.5608	529.822	1.4048
526.698	2.0208	527.748	1.7163	528.797	1.5309	529.847	1.4053
526.723	2.0216	527.773	1.7168	528.822	1.5239	529.872	1.4057
526.748	2.0224	527.798	1.7093	528.847	1.5245	529.897	1.4647
526.773	1.9619	527.823	1.6619	528.872	1.4875	529.922	1.4652



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
529.947	1.4584	530.996	1.5399	532.045	1.5856	533.095	1.5792
529.971	1.4150	531.021	1.5181	532.070	1.5791	533.120	1.5801
529.996	1.4156	531.046	1.5188	532.095	1.5802	533.145	1.5811
530.021	1.4600	531.071	1.5418	532.120	1.5890	533.170	1.5672
530.046	1.4679	531.096	1.5426	532.145	1.5904	533.195	1.5682
530.071	1.4685	531.121	1.5509	532.170	1.5919	533.220	1.5545
530.096	1.5061	531.146	1.5072	532.195	1.5933	533.245	1.5628
530.121	1.5066	531.171	1.5082	532.220	1.5947	533.270	1.5711
530.146	1.5371	531.196	1.5092	532.245	1.6262	533.295	1.6016
530.171	1.5300	531.221	1.5101	532.270	1.6273	533.320	1.5949
530.196	1.5305	531.246	1.5110	532.295	1.6663	533.345	1.6404
530.221	1.5310	531.271	1.5490	532.320	1.6672	533.370	1.6484
530.246	1.5316	531.296	1.5497	532.345	1.6679	533.395	1.6411
530.271	1.5926	531.321	1.5802	532.370	1.6608	533.420	1.6113
530.296	1.5932	531.346	1.5806	532.395	1.6612	533.445	1.6113
530.321	1.5938	531.371	1.5583	532.420	1.6237	533.470	1.5228
530.346	1.6175	531.396	1.5510	532.445	1.6315	533.494	1.5228
530.371	1.6259	531.421	1.5510	532.470	1.6318	533.519	1.5155
530.396	1.6653	531.446	1.5510	532.495	1.7473	533.544	1.4579
530.421	1.6661	531.471	1.5510	532.520	1.7476	533.569	1.4510
530.446	1.6670	531.496	1.4991	532.545	1.6631	533.594	1.4158
530.471	1.6679	531.521	1.5066	532.570	1.6635	533.619	1.4163
530.496	1.6688	531.546	1.4995	532.595	1.6639	533.644	1.4168
530.521	1.6233	531.571	1.5295	532.620	1.6643	533.669	1.3544
530.546	1.6243	531.596	1.5302	532.645	1.6648	533.694	1.3551
530.571	1.7185	531.621	1.5835	532.670	1.6199	533.719	1.3977
530.596	1.7194	531.646	1.5847	532.695	1.6204	533.744	1.3984
530.621	1.7204	531.671	1.5861	532.720	1.6210	533.769	1.3991
530.646	1.6899	531.695	1.6028	532.745	1.6670	533.794	1.4209
530.671	1.6909	531.721	1.6045	532.770	1.6675	533.819	1.4215
530.696	1.5765	531.745	1.6594	532.795	1.5703	533.844	1.3591
530.721	1.5775	531.770	1.6610	532.820	1.5634	533.869	1.3597
530.746	1.5784	531.795	1.6623	532.845	1.5640	533.894	1.4024
530.771	1.5193	531.820	1.6254	532.870	1.5795	533.919	1.4031
530.796	1.5202	531.845	1.6263	532.895	1.5876	533.944	1.3829
530.821	1.5434	531.870	1.5968	532.920	1.6332	533.969	1.3628
530.846	1.5441	531.895	1.5974	532.945	1.6415	533.994	1.3637
530.871	1.5448	531.920	1.5978	532.970	1.6423	534.019	1.3508
530.896	1.5379	531.945	1.5608	532.995	1.6130	534.044	1.3517
530.921	1.5459	531.970	1.5537	533.020	1.6138	534.069	1.3526
530.946	1.5464	531.995	1.5916	533.045	1.5923	534.094	1.3744
530.971	1.5469	532.020	1.5923	533.070	1.5931	534.119	1.3822



Table 2. Low Resolution Absorption Cross Section from 450-650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
534.144	1.4321	535.194	1.1633	536.243	1.1314	537.292	1.1374
534.169	1.4328	535.219	1.1650	536.268	1.1443	537.317	1.1378
534.194	1.4405	535.243	1.1666	536.293	1.1443	537.342	1.0752
534.219	1.3709	535.268	1.1294	536.318	1.1766	537.367	1.0758
534.244	1.3715	535.294	1.1310	536.343	1.1766	537.392	1.0703
534.269	1.3443	535.318	1.0749	536.368	1.1061	537.417	1.0587
534.294	1.3447	535.343	1.0763	536.393	1.1064	537.442	1.0596
534.319	1.3452	535.368	1.0775	536.418	1.1195	537.467	1.0481
534.344	1.3595	535.393	1.0913	536.443	1.1201	537.492	1.0492
534.369	1.3601	535.418	1.0922	536.468	1.1208	537.517	1.0503
534.394	1.3746	535.443	1.1378	536.493	1.1473	537.542	1.0390
534.419	1.3752	535.468	1.1320	536.518	1.1483	537.567	1.0401
534.444	1.3760	535.493	1.1390	536.543	1.1817	537.592	1.0165
534.469	1.3629	535.518	1.1075	536.568	1.1828	537.617	1.0174
534.494	1.3637	535.543	1.1016	536.593	1.1905	537.642	1.0183
534.519	1.3645	535.568	1.0704	536.618	1.0955	537.667	1.0253
534.544	1.3653	535.593	1.0709	536.643	1.0965	537.692	1.0199
534.569	1.3660	535.618	1.0588	536.668	1.0849	537.717	1.0021
534.594	1.3323	535.643	1.0657	536.693	1.0859	537.742	1.0027
534.619	1.3399	535.668	1.0599	536.718	1.0868	537.767	1.0033
534.644	1.2927	535.693	1.0858	536.743	1.0314	537.792	1.0717
534.669	1.2933	535.718	1.0864	536.768	1.0323	537.817	1.0722
534.694	1.2533	535.743	1.0997	536.793	1.0643	537.842	1.0295
534.719	1.2604	535.768	1.1004	536.818	1.0653	537.867	1.0300
534.744	1.2607	535.793	1.1011	536.843	1.0662	537.892	1.0245
534.769	1.2946	535.818	1.0891	536.867	1.0485	537.917	1.0130
534.794	1.2948	535.843	1.0899	536.893	1.0557	537.942	1.0198
534.819	1.2813	535.868	1.0403	536.918	1.0504	537.967	1.0638
534.844	1.2746	535.893	1.0536	536.943	1.0513	537.992	1.0647
534.869	1.2814	535.918	1.0545	536.968	1.0584	538.017	1.1219
534.894	1.2747	535.943	1.0995	536.992	1.0280	538.042	1.1229
534.919	1.2679	535.968	1.1067	537.017	1.0286	538.067	1.1239
534.944	1.2212	535.993	1.0758	537.042	1.0538	538.092	1.1948
534.969	1.2214	536.018	1.0892	537.067	1.0479	538.117	1.1765
534.994	1.2216	536.043	1.0835	537.092	1.0543	538.142	1.2418
535.019	1.2486	536.068	1.0716	537.117	1.0731	538.167	1.2491
535.044	1.2491	536.093	1.0722	537.142	1.0732	538.192	1.2497
535.069	1.2565	536.118	1.0665	537.167	1.0733	538.217	1.2178
535.094	1.2373	536.143	1.0733	537.192	1.0733	538.242	1.2183
535.119	1.2383	536.168	1.0737	537.217	1.1239	538.267	1.1610
535.144	1.1604	536.193	1.1183	537.242	1.1240	538.292	1.1678
535.169	1.1618	536.218	1.1185	537.267	1.1243	538.317	1.1682



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
538.342	1.1750	539.391	1.3504	540.441	1.1133	541.490	1.1638
538.367	1.1819	539.416	1.3509	540.466	1.1139	541.515	1.1648
538.392	1.2016	539.441	1.2791	540.491	1.1145	541.540	1.1845
538.417	1.2022	539.466	1.2860	540.516	1.1150	541.565	1.1856
538.442	1.2027	539.491	1.2798	540.541	1.1280	541.590	1.1991
538.467	1.2486	539.516	1.3657	540.565	1.1287	541.615	1.2000
538.492	1.2557	539.541	1.3659	540.590	1.1295	541.640	1.2009
538.517	1.3355	539.566	1.2805	540.615	1.0935	541.665	1.2269
538.542	1.3361	539.591	1.2871	540.640	1.0946	541.690	1.2276
538.567	1.3368	539.616	1.2873	540.665	1.1021	541.715	1.3438
538.592	1.3110	539.641	1.2037	540.690	1.1036	541.740	1.3507
538.617	1.3318	539.666	1.2039	540.715	1.0990	541.765	1.3445
538.642	1.2799	539.691	1.2041	540.740	1.0700	541.790	1.3448
538.667	1.2808	539.716	1.2044	540.765	1.0716	541.815	1.3450
538.692	1.2689	539.741	1.1794	540.790	1.0975	541.840	1.2870
538.717	1.2246	539.766	1.1798	540.815	1.0928	541.865	1.2873
538.742	1.2194	539.791	1.1802	540.840	1.0941	541.890	1.2877
538.766	1.2143	539.816	1.1429	540.865	1.1073	541.915	1.3010
538.792	1.2156	539.841	1.1496	540.890	1.1081	541.940	1.3016
538.816	1.2297	539.866	1.1878	540.915	1.1457	541.965	1.3281
538.841	1.2310	539.891	1.1946	540.940	1.1460	541.990	1.3224
538.866	1.2322	539.916	1.1949	540.965	1.1460	542.015	1.3232
538.891	1.2333	539.941	1.1573	540.990	1.1708	542.040	1.2790
538.916	1.2343	539.966	1.1576	541.015	1.1705	542.065	1.2799
538.941	1.1903	539.991	1.1141	541.040	1.1702	542.090	1.2680
538.966	1.1912	540.016	1.1144	541.065	1.1698	542.115	1.2688
538.991	1.1919	540.041	1.1147	541.090	1.1695	542.140	1.3210
539.016	1.1672	540.066	1.1399	541.115	1.1755	542.165	1.3152
539.041	1.1678	540.091	1.1402	541.140	1.1753	542.190	1.3223
539.066	1.2386	540.116	1.1406	541.165	1.1753	542.215	1.4147
539.091	1.2456	540.141	1.1410	541.190	1.1753	542.240	1.4151
539.116	1.2397	540.166	1.1416	541.215	1.1755	542.265	1.3173
539.141	1.2273	540.191	1.1484	541.240	1.1696	542.290	1.3176
539.166	1.2278	540.216	1.1492	541.265	1.1700	542.315	1.3179
539.191	1.2283	540.241	1.1437	541.290	1.1767	542.340	1.3181
539.216	1.2288	540.266	1.1446	541.315	1.1772	542.364	1.3248
539.241	1.2293	540.291	1.1456	541.340	1.2473	542.389	1.3576
539.266	1.3474	540.316	1.1466	541.365	1.2479	542.414	1.3578
539.291	1.3480	540.341	1.1475	541.390	1.2486	542.439	1.3582
539.316	1.3155	540.366	1.0988	541.415	1.2303	542.464	1.3196
539.341	1.3096	540.391	1.0996	541.440	1.2311	542.489	1.3200
539.366	1.3167	540.416	1.1004	541.465	1.1629	542.514	1.3400



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
542.539	1.3340	543.589	1.3309	544.638	1.1987	545.688	1.2616
542.564	1.3346	543.614	1.3314	544.663	1.2364	545.713	1.2938
542.589	1.3158	543.639	1.3319	544.688	1.2369	545.738	1.2947
542.614	1.3164	543.664	1.3324	544.713	1.2376	545.763	1.2955
542.639	1.3042	543.689	1.3522	544.738	1.2947	545.788	1.2155
542.664	1.3049	543.714	1.3527	544.763	1.2954	545.813	1.2223
542.689	1.3055	543.739	1.3532	544.788	1.2710	545.838	1.2166
542.714	1.3385	543.764	1.3473	544.813	1.2717	545.862	1.2171
542.739	1.3457	543.789	1.3478	544.838	1.2724	545.887	1.2113
542.764	1.3595	543.814	1.3354	544.863	1.3047	545.912	1.2178
542.789	1.3602	543.839	1.3359	544.888	1.3118	545.937	1.2181
542.814	1.3610	543.864	1.3044	544.913	1.2621	545.962	1.1879
542.839	1.3683	543.889	1.2984	544.938	1.2629	545.987	1.1883
542.864	1.3691	543.914	1.2988	544.963	1.2637	546.012	1.1888
542.889	1.4225	543.939	1.3055	544.988	1.2769	546.037	1.1894
542.914	1.4299	543.964	1.2994	545.013	1.2777	546.062	1.1900
542.939	1.4306	543.989	1.2870	545.038	1.3289	546.087	1.1424
542.964	1.4579	544.014	1.2809	545.063	1.3295	546.112	1.1492
542.989	1.4585	544.039	1.2811	545.088	1.3237	546.137	1.1440
543.014	1.4457	544.063	1.2436	545.113	1.3625	546.162	1.1389
543.039	1.4461	544.089	1.2438	545.138	1.3628	546.187	1.1398
543.064	1.3871	544.113	1.2130	545.163	1.3247	546.212	1.1951
543.089	1.3875	544.138	1.2133	545.188	1.3249	546.237	1.1960
543.114	1.3879	544.163	1.2137	545.213	1.3313	546.262	1.1969
543.139	1.4279	544.188	1.2705	545.238	1.4744	546.287	1.1314
543.164	1.4218	544.213	1.2711	545.263	1.4679	546.312	1.1322
543.189	1.4489	544.238	1.2404	545.288	1.4946	546.337	1.1631
543.214	1.4496	544.263	1.2411	545.313	1.4949	546.362	1.1639
543.239	1.4437	544.288	1.2419	545.338	1.4952	546.387	1.1768
543.264	1.5118	544.313	1.2303	545.363	1.4823	546.412	1.1777
543.289	1.5127	544.338	1.2311	545.388	1.4828	546.437	1.1787
543.314	1.4069	544.363	1.1763	545.413	1.3658	546.462	1.1556
543.339	1.4079	544.388	1.1770	545.438	1.3665	546.487	1.1627
543.364	1.4089	544.413	1.1776	545.463	1.4060	546.512	1.2062
543.389	1.3318	544.438	1.1294	545.488	1.4003	546.537	1.2073
543.414	1.3263	544.463	1.1298	545.513	1.4142	546.562	1.2084
543.439	1.2824	544.488	1.1850	545.538	1.3251	546.587	1.1551
543.464	1.2832	544.513	1.1852	545.563	1.3260	546.612	1.1561
543.489	1.2839	544.538	1.1854	545.588	1.3142	546.637	1.1094
543.514	1.3875	544.563	1.1794	545.613	1.3152	546.662	1.1101
543.539	1.3881	544.588	1.1735	545.638	1.3162	546.687	1.1167
543.564	1.3303	544.613	1.1984	545.663	1.2607	546.712	1.1351



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
546.737	1.1355	547.786	1.2862	548.836	1.3948	549.885	1.2264
546.762	1.1240	547.811	1.2624	548.861	1.2892	549.910	1.1856
546.787	1.1124	547.836	1.2633	548.886	1.2957	549.935	1.1866
546.812	1.1245	547.861	1.2642	548.911	1.2351	549.960	1.1758
546.837	1.1725	547.886	1.3773	548.936	1.2357	549.985	1.1769
546.862	1.1727	547.911	1.3845	548.961	1.2363	550.010	1.1779
546.887	1.2092	547.936	1.3349	548.986	1.2370	550.035	1.1847
546.912	1.2094	547.961	1.3357	549.011	1.2378	550.060	1.1856
546.937	1.2096	547.986	1.2499	549.036	1.2085	550.085	1.1627
546.962	1.1081	548.011	1.2505	549.061	1.2093	550.110	1.1575
546.987	1.1084	548.036	1.2511	549.086	1.2101	550.135	1.2113
547.012	1.1504	548.061	1.3444	549.111	1.2108	550.160	1.2118
547.037	1.1507	548.086	1.3384	549.136	1.2114	550.185	1.2122
547.062	1.1511	548.111	1.3324	549.161	1.2785	550.210	1.1889
547.087	1.1996	548.136	1.3325	549.186	1.2789	550.235	1.1893
547.112	1.1939	548.161	1.3324	549.211	1.2792	550.260	1.1603
547.137	1.2306	548.186	1.3386	549.236	1.2917	550.285	1.1608
547.162	1.2309	548.211	1.3384	549.261	1.2857	550.310	1.1615
547.187	1.1526	548.236	1.3634	549.286	1.2858	550.335	1.1857
547.212	1.1529	548.261	1.3633	549.311	1.2860	550.360	1.1864
547.237	1.1531	548.286	1.3633	549.336	1.2861	550.385	1.1519
547.262	1.1295	548.311	1.3824	549.361	1.3233	550.410	1.1527
547.287	1.1298	548.336	1.3890	549.385	1.3237	550.435	1.1535
547.312	1.2631	548.361	1.3642	549.411	1.3491	550.460	1.1776
547.337	1.2634	548.386	1.3650	549.435	1.3498	550.485	1.1782
547.362	1.2699	548.411	1.3659	549.460	1.3506	550.510	1.2141
547.387	1.3326	548.436	1.2984	549.485	1.3019	550.535	1.2085
547.412	1.3330	548.461	1.2997	549.510	1.3028	550.560	1.2086
547.437	1.2898	548.486	1.2888	549.535	1.2915	550.585	1.2205
547.462	1.2903	548.511	1.2903	549.560	1.2923	550.610	1.2204
547.487	1.2909	548.536	1.2918	549.585	1.2930	550.635	1.1320
547.512	1.2422	548.561	1.2627	549.610	1.2511	550.660	1.1317
547.537	1.2427	548.586	1.2641	549.635	1.2517	550.685	1.1315
547.562	1.2556	548.611	1.2654	549.660	1.2461	550.710	1.1546
547.587	1.2561	548.636	1.2666	549.685	1.2404	550.735	1.1543
547.612	1.2567	548.661	1.2675	549.710	1.2287	550.760	1.1135
547.636	1.2819	548.686	1.2683	549.735	1.2290	550.785	1.1134
547.661	1.2825	548.711	1.2690	549.760	1.2353	550.810	1.1542
547.686	1.3330	548.736	1.3811	549.785	1.2237	550.835	1.1543
547.711	1.3337	548.761	1.3814	549.810	1.2242	550.860	1.1544
547.736	1.3282	548.786	1.3880	549.835	1.2308	550.885	1.1547
547.761	1.2854	548.811	1.3946	549.860	1.2255	550.910	1.1550



Table 2. Low Resolution Absorption Cross Section from 450-650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
550.935	1.1965	551.984	1.0208	553.033	1.1739	554.083	1.0785
550.960	1.1969	552.009	1.0216	553.058	1.1739	554.108	1.0789
550.984	1.1973	552.034	1.0225	553.083	1.1796	554.133	1.0180
551.010	1.1742	552.059	0.9900	553.108	1.1970	554.158	1.0128
551.035	1.1807	552.084	0.9911	553.133	1.1970	554.183	1.0188
551.060	1.1931	552.109	0.9755	553.158	1.1046	554.208	1.0360
551.085	1.1938	552.134	0.9710	553.183	1.1047	554.233	1.0365
551.109	1.1946	552.159	0.9942	553.208	1.0822	554.258	1.0762
551.134	1.1251	552.184	0.9564	553.233	1.0825	554.283	1.0825
551.159	1.1317	552.209	0.9572	553.258	1.0829	554.308	1.0831
551.184	1.0862	552.234	0.9855	553.283	1.1463	554.333	1.0838
551.209	1.1039	552.259	0.9916	553.308	1.1469	554.358	1.0788
551.234	1.0871	552.284	0.9919	553.333	1.1649	554.383	1.0348
551.259	1.0474	552.309	1.0312	553.358	1.1715	554.408	1.0353
551.284	1.0587	552.334	1.0313	553.383	1.1724	554.433	1.0359
551.309	1.0642	552.359	1.1107	553.408	1.1157	554.458	1.0866
551.334	1.0639	552.384	1.1107	553.433	1.1224	554.483	1.0926
551.359	1.0578	552.409	1.1050	553.458	1.0892	554.508	1.1043
551.384	1.0517	552.434	1.0994	553.483	1.0902	554.533	1.1047
551.409	1.0457	552.459	1.1052	553.508	1.0912	554.558	1.1051
551.434	1.0567	552.484	1.1630	553.533	1.0866	554.583	1.0550
551.459	1.0565	552.509	1.1691	553.558	1.0933	554.608	1.0554
551.484	1.0564	552.534	1.1001	553.583	1.0158	554.633	1.0447
551.509	1.0451	552.559	1.1061	553.608	1.0168	554.658	1.0451
551.534	1.0452	552.584	1.1064	553.633	1.0177	554.682	1.0456
551.559	1.0456	552.609	1.0613	553.658	0.9636	554.708	1.0294
551.584	1.0460	552.634	1.0616	553.683	0.9644	554.732	1.0297
551.609	1.0466	552.659	1.0621	553.708	0.9870	554.757	1.0191
551.634	1.0644	552.684	1.0626	553.733	0.9877	554.782	1.0194
551.659	1.0483	552.709	1.0633	553.758	0.9883	554.807	1.0197
551.684	1.0606	552.734	1.0247	553.783	0.9889	554.832	1.0364
551.709	1.0616	552.759	1.0368	553.808	0.9895	554.857	1.0421
551.734	1.0741	552.784	1.0377	553.833	1.0622	554.882	1.0588
551.759	1.0695	552.809	1.0386	553.858	1.0628	554.907	1.0589
551.784	1.0820	552.834	1.0396	553.883	1.0577	554.932	0.9872
551.809	1.0433	552.859	1.0404	553.908	1.0808	554.957	0.9872
551.834	1.0442	552.883	1.0411	553.933	1.0814	554.982	0.9872
551.859	1.0791	552.909	1.0194	553.958	1.0819	555.007	0.9873
551.884	1.0800	552.933	1.0198	553.983	1.0881	555.032	0.9874
551.909	1.0807	552.958	1.0201	554.008	1.0830	555.057	0.9604
551.934	1.0193	552.983	1.0595	554.033	1.1060	555.082	0.9606
551.959	1.0200	553.008	1.0483	554.058	1.1064	555.107	0.9609



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
555.132	0.9722	556.182	0.8504	557.231	0.8736	558.280	0.8295
555.157	0.9671	556.207	0.8505	557.256	0.8745	558.305	0.8297
555.182	0.9351	556.232	0.8507	557.281	0.8494	558.330	0.7942
555.207	0.9409	556.257	0.8509	557.306	0.8502	558.355	0.7947
555.232	0.9413	556.282	0.8512	557.331	0.8458	558.380	0.7851
555.257	0.9742	556.307	0.8515	557.356	0.8570	558.405	0.7858
555.282	0.9745	556.332	0.8520	557.381	0.8628	558.430	0.7865
555.307	1.0077	556.357	0.8630	557.406	0.8791	558.455	0.7620
555.332	1.0081	556.382	0.8637	557.431	0.8795	558.480	0.7577
555.357	1.0085	556.407	0.8645	557.456	0.8024	558.505	0.7634
555.382	0.9654	556.432	0.8863	557.481	0.8027	558.530	0.7590
555.407	0.9659	556.457	0.8872	557.506	0.8133	558.555	0.7595
555.432	0.9557	556.481	0.8724	557.531	0.8757	558.580	0.7348
555.457	0.9563	556.506	0.8785	557.556	0.8812	558.605	0.7352
555.482	0.9570	556.531	0.8741	557.581	0.7886	558.630	0.7206
555.507	1.0177	556.556	0.8801	557.606	0.7889	558.655	0.7159
555.532	1.0185	556.581	0.8807	557.631	0.7893	558.680	0.7212
555.557	1.0413	556.606	0.9076	557.656	0.7795	558.705	0.7365
555.582	1.0421	556.631	0.9079	557.681	0.7799	558.730	0.7369
555.607	1.0373	556.656	0.8923	557.706	0.7905	558.755	0.7776
555.632	0.9886	556.681	0.8925	557.731	0.7910	558.780	0.7730
555.657	0.9891	556.706	0.8927	557.756	0.8017	558.805	0.7735
555.682	0.9841	556.731	0.9406	557.781	0.8381	558.830	0.7489
555.707	0.9680	556.756	0.9408	557.806	0.8385	558.855	0.7493
555.732	0.9145	556.781	0.8933	557.831	0.7826	558.880	0.7348
555.757	0.9145	556.806	0.8937	557.856	0.7931	558.905	0.7351
555.782	0.9145	556.831	0.8941	557.881	0.7833	558.930	0.7354
555.807	0.8933	556.856	0.9104	557.906	0.8143	558.955	0.7356
555.832	0.8933	556.881	0.9110	557.931	0.8094	558.980	0.7208
555.857	0.8461	556.906	0.8433	557.956	0.7842	559.005	0.7208
555.882	0.8463	556.931	0.8492	557.981	0.7845	559.030	0.7208
555.907	0.8466	556.956	0.8498	558.006	0.7846	559.055	0.7357
555.932	0.8944	556.981	0.8661	558.031	0.8411	559.080	0.7206
555.957	0.8949	557.006	0.8668	558.056	0.8411	559.105	0.7254
555.982	0.8796	557.031	0.8466	558.081	0.8308	559.130	0.7054
556.007	0.8801	557.056	0.8473	558.105	0.8307	559.155	0.7103
556.032	0.8806	557.081	0.8480	558.131	0.8305	559.180	0.6758
556.057	0.8652	557.106	0.8853	558.156	0.8509	559.205	0.6759
556.082	0.8655	557.131	0.8913	558.180	0.8506	559.230	0.6762
556.107	0.8291	557.156	0.8816	558.206	0.8607	559.255	0.6718
556.132	0.8345	557.181	0.8719	558.230	0.8606	559.280	0.6675
556.157	0.8347	557.206	0.8728	558.255	0.8295	559.305	0.6634



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
559.330	0.6644	560.379	0.6877	561.429	0.8256	562.478	0.8712
559.355	0.6655	560.404	0.6831	561.454	0.8209	562.503	0.8767
559.380	0.6620	560.429	0.6981	561.479	0.7962	562.528	0.8770
559.405	0.6683	560.454	0.6983	561.504	0.7967	562.553	0.8772
559.430	0.6699	560.479	0.7330	561.529	0.8124	562.578	0.8417
559.455	0.6716	560.504	0.7332	561.554	0.8131	562.603	0.8419
559.480	0.6733	560.529	0.7283	561.579	0.8138	562.628	0.9292
559.505	0.6848	560.554	0.6891	561.604	0.8145	562.653	0.9295
559.530	0.6864	560.579	0.6892	561.629	0.8152	562.678	0.9298
559.555	0.6781	560.604	0.6893	561.654	0.8261	562.703	0.9302
559.580	0.6795	560.629	0.6895	561.679	0.8268	562.728	0.9307
559.605	0.6807	560.654	0.6896	561.704	0.8478	562.753	0.9209
559.630	0.6964	560.679	0.6850	561.729	0.8485	562.778	0.9215
559.655	0.7021	560.704	0.6901	561.753	0.8491	562.803	0.9220
559.680	0.6977	560.729	0.7247	561.779	0.8546	562.828	0.9329
559.705	0.6981	560.754	0.7249	561.803	0.8601	562.853	0.9333
559.730	0.6983	560.779	0.7798	561.828	0.8860	562.878	0.9597
559.755	0.7181	560.804	0.7798	561.853	0.8861	562.903	0.9599
559.780	0.7181	560.829	0.7798	561.878	0.8862	562.928	0.9601
559.805	0.7328	560.854	0.7847	561.903	0.8503	562.953	0.9706
559.830	0.7375	560.879	0.7845	561.928	0.8451	562.978	0.9707
559.854	0.6830	560.904	0.7794	561.953	0.8963	563.003	0.9812
559.880	0.6828	560.929	0.7793	561.978	0.9014	563.028	0.9760
559.905	0.6825	560.954	0.7792	562.003	0.8962	563.053	0.9813
559.930	0.6628	560.979	0.7943	562.028	0.9066	563.078	1.0080
559.955	0.6626	561.004	0.7995	562.053	0.9068	563.103	1.0083
559.979	0.6528	561.029	0.7646	562.078	0.9539	563.128	0.9615
560.004	0.6528	561.054	0.7650	562.103	0.9542	563.153	0.9621
560.029	0.6529	561.079	0.7655	562.128	0.9494	563.178	0.9420
560.054	0.6823	561.104	0.7911	562.153	0.8978	563.203	0.9429
560.079	0.6826	561.129	0.7916	562.178	0.8984	563.228	0.9439
560.104	0.6878	561.154	0.7922	562.203	0.9093	563.253	0.9293
560.129	0.6931	561.179	0.7877	562.228	0.9048	563.278	0.9355
560.154	0.6887	561.204	0.7881	562.253	0.9107	563.303	0.9887
560.179	0.7186	561.229	0.7986	562.278	0.8755	563.328	0.9896
560.204	0.7191	561.254	0.7988	562.303	0.8712	563.353	0.9956
560.229	0.7196	561.279	0.8193	562.328	0.8721	563.378	0.9701
560.254	0.7200	561.304	0.8194	562.353	0.8729	563.403	0.9707
560.279	0.7205	561.329	0.8196	562.378	0.8432	563.428	1.0398
560.304	0.7160	561.354	0.7845	562.403	0.8491	563.453	1.0402
560.329	0.7016	561.379	0.7846	562.428	0.8498	563.478	1.0405
560.354	0.6873	561.404	0.8202	562.453	0.8708	563.503	1.0194



Table 2. Low Resolution Absorption Cross Section from 450-650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
563.528	1.0195	564.577	1.0845	565.626	1.0137	566.676	0.7575
563.552	1.0891	564.602	1.1123	565.651	1.0038	566.701	0.8068
563.577	1.0891	564.627	1.1184	565.676	1.0046	566.726	0.8070
563.602	1.0891	564.652	1.1136	565.701	0.9950	566.751	0.7728
563.628	1.0569	564.677	1.1414	565.726	0.9958	566.776	0.7731
563.652	1.0623	564.702	1.1418	565.751	0.9966	566.801	0.7684
563.677	1.0893	564.727	1.1641	565.776	0.9766	566.826	0.7541
563.702	1.0894	564.752	1.1643	565.801	0.9825	566.851	0.7544
563.727	1.1004	564.777	1.1644	565.826	0.9521	566.876	0.7791
563.752	1.1115	564.802	1.1262	565.851	0.9527	566.901	0.7843
563.777	1.1117	564.827	1.1261	565.876	0.9532	566.926	0.7846
563.802	1.1834	564.852	1.0720	565.901	0.8669	566.951	0.7556
563.827	1.1837	564.877	1.0772	565.926	0.8723	566.976	0.7656
563.852	1.1785	564.902	1.0290	565.951	0.8126	567.001	0.7660
563.877	1.1294	564.927	1.0287	565.976	0.8129	567.026	0.7566
563.902	1.1298	564.952	1.0284	566.001	0.8133	567.050	0.7667
563.927	1.0707	564.977	0.9861	566.026	0.8386	567.076	0.7573
563.952	1.0712	565.002	0.9859	566.051	0.8390	567.100	0.7578
563.977	1.0717	565.027	1.0544	566.076	0.8096	567.125	0.7051
564.002	1.0083	565.052	1.0543	566.101	0.8052	567.150	0.7056
564.027	1.0088	565.077	1.0544	566.126	0.8057	567.175	0.7061
564.052	0.9002	565.102	0.9860	566.151	0.7914	567.200	0.7066
564.077	0.9007	565.127	0.9862	566.176	0.7918	567.225	0.7072
564.102	0.9996	565.152	0.9605	566.201	0.7726	567.250	0.7126
564.127	1.0000	565.177	0.9609	566.226	0.7778	567.275	0.7131
564.152	0.9950	565.202	0.9613	566.251	0.7732	567.300	0.7184
564.177	0.9430	565.227	0.9102	566.276	0.7587	567.325	0.7382
564.202	0.9431	565.252	0.9106	566.301	0.7589	567.350	0.7386
564.227	0.9534	565.276	0.9418	566.326	0.7591	567.375	0.8172
564.252	0.9533	565.301	0.9421	566.351	0.7592	567.400	0.8126
564.277	0.9532	565.326	0.9424	566.376	0.7594	567.425	0.8576
564.302	0.9791	565.351	0.9633	566.401	0.7548	567.450	0.8578
564.327	0.9789	565.376	0.9635	566.426	0.7501	567.475	0.8580
564.352	1.0689	565.401	0.9532	566.451	0.7069	567.500	0.8732
564.377	1.0689	565.426	0.9534	566.476	0.7072	567.525	0.8733
564.402	1.0638	565.451	0.9536	566.501	0.7316	567.550	0.8187
564.427	1.1673	565.476	1.0007	566.526	0.7319	567.575	0.8189
564.452	1.1678	565.501	1.0009	566.551	0.7321	567.600	0.8190
564.477	1.1519	565.526	1.0328	566.576	0.7616	567.625	0.8290
564.502	1.1527	565.551	1.0332	566.601	0.7520	567.650	0.8242
564.527	1.1535	565.576	1.0336	566.626	0.7620	567.675	0.8194
564.552	1.0837	565.601	1.0130	566.651	0.7622	567.700	0.8196



Table 2. Low Resolution Absorption Cross Section from 450-650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
567.725	0.8197	568.775	0.9081	569.824	0.7992	570.873	1.1489
567.750	0.8597	568.799	0.8433	569.849	0.7897	570.898	1.1488
567.775	0.8599	568.825	0.8482	569.874	0.7996	570.923	1.1489
567.800	0.8453	568.849	0.8284	569.899	0.8243	570.948	1.0747
567.825	0.8456	568.874	0.8283	569.924	0.8244	570.973	1.0751
567.850	0.8609	568.899	0.8332	569.949	0.8443	570.998	0.9515
567.875	0.8215	568.924	0.8136	569.974	0.8444	571.023	0.9573
567.900	0.8218	568.949	0.8137	569.999	0.8445	571.048	0.9530
567.925	0.8668	568.974	0.8385	570.024	0.8497	571.073	0.9539
567.950	0.8671	568.999	0.8387	570.049	0.8549	571.098	0.9549
567.975	0.8673	569.024	0.8787	570.074	0.8452	571.123	0.9815
568.000	0.8377	569.049	0.8790	570.099	0.8456	571.148	0.9826
568.025	0.8429	569.074	0.8792	570.124	0.8460	571.173	0.9836
568.050	0.8234	569.099	0.8396	570.149	0.8862	571.198	1.0413
568.075	0.8238	569.124	0.8397	570.174	0.8867	571.223	1.0421
568.100	0.8243	569.149	0.8794	570.199	0.9022	571.248	1.0742
568.125	0.8298	569.174	0.8794	570.224	0.9026	571.273	1.0749
568.150	0.8355	569.199	0.8792	570.249	0.9030	571.298	1.0754
568.175	0.8961	569.224	0.8791	570.274	0.9235	571.323	1.0654
568.200	0.8968	569.249	0.8839	570.299	0.9188	571.348	1.0659
568.225	0.9177	569.274	0.8838	570.324	0.9291	571.373	0.9887
568.250	0.9183	569.299	0.8837	570.349	0.9293	571.398	0.9891
568.275	0.9189	569.324	0.8836	570.374	0.9294	571.423	0.9894
568.300	0.9295	569.349	0.8290	570.399	0.9044	571.448	0.9795
568.325	0.9300	569.374	0.8291	570.424	0.9045	571.473	0.9850
568.350	0.9303	569.399	0.7949	570.449	0.8947	571.498	0.9395
568.375	0.9306	569.424	0.7951	570.474	0.8949	571.523	0.9347
568.400	0.9309	569.449	0.7954	570.499	0.8952	571.548	0.9349
568.425	0.9210	569.474	0.8399	570.524	0.8906	571.573	0.9401
568.450	0.9214	569.499	0.8402	570.549	0.8909	571.598	0.9351
568.475	0.9421	569.524	0.8306	570.574	0.9365	571.623	0.9553
568.500	0.9426	569.549	0.8309	570.598	0.9317	571.648	0.9552
568.525	0.9432	569.574	0.8311	570.623	0.9320	571.673	0.9551
568.550	0.9235	569.599	0.8314	570.648	1.0138	571.698	0.9549
568.575	0.9242	569.624	0.8316	570.673	1.0086	571.723	0.9496
568.600	0.9249	569.649	0.7975	570.698	1.0344	571.748	0.9901
568.625	0.9256	569.674	0.8026	570.723	1.0342	571.773	0.9899
568.650	0.9263	569.699	0.8028	570.748	1.0548	571.798	0.9440
568.675	0.9371	569.724	0.7497	570.773	1.0545	571.823	0.9489
568.700	0.9377	569.749	0.7548	570.798	1.0542	571.848	0.9439
568.725	0.9077	569.774	0.7987	570.823	1.0749	571.873	0.9187
568.750	0.9080	569.799	0.7990	570.848	1.0746	571.898	0.9189



Table 2. Low Resolution Absorption Cross Section from 450-650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
571.923	0.9291	572.972	0.8225	574.022	0.7307	575.071	0.7044
571.948	0.9294	572.997	0.8226	574.047	0.7311	575.096	0.7043
571.973	0.9198	573.022	0.8228	574.072	0.6986	575.121	0.6853
571.998	0.9758	573.047	0.8132	574.096	0.6991	575.146	0.6757
572.023	0.9763	573.072	0.8133	574.121	0.7043	575.171	0.6754
572.048	0.9263	573.097	0.8821	574.146	0.7095	575.196	0.6751
572.073	0.9319	573.122	0.8872	574.171	0.7052	575.221	0.6750
572.098	0.9274	573.147	0.8333	574.196	0.6822	575.246	0.6564
572.123	0.9888	573.172	0.8335	574.221	0.6826	575.271	0.6565
572.148	0.9894	573.197	0.8337	574.246	0.6828	575.296	0.6430
572.173	0.9951	573.222	0.8535	574.271	0.6738	575.321	0.6434
572.198	0.9956	573.247	0.8537	574.296	0.6739	575.346	0.6440
572.222	0.9910	573.272	0.8148	574.321	0.6741	575.371	0.6125
572.247	1.0532	573.297	0.8150	574.346	0.6742	575.396	0.6132
572.273	1.0535	573.322	0.8152	574.371	0.6742	575.421	0.6185
572.297	0.9969	573.347	0.8250	574.396	0.7023	575.446	0.6192
572.323	0.9971	573.372	0.8251	574.421	0.7023	575.471	0.6198
572.347	0.9513	573.397	0.8252	574.446	0.7164	575.496	0.6113
572.372	0.9513	573.422	0.8253	574.471	0.7164	575.521	0.6118
572.397	0.9513	573.447	0.8255	574.496	0.7163	575.546	0.6813
572.422	0.9160	573.472	0.7630	574.521	0.7116	575.571	0.6816
572.447	0.9208	573.497	0.7632	574.546	0.7068	575.596	0.6820
572.472	0.9357	573.522	0.7635	574.571	0.6741	575.621	0.6407
572.497	0.9355	573.547	0.7543	574.596	0.6739	575.646	0.6409
572.522	0.9354	573.572	0.7644	574.621	0.6738	575.671	0.6182
572.547	0.8952	573.597	0.7554	574.646	0.6737	575.696	0.6139
572.572	0.8951	573.622	0.7656	574.671	0.6736	575.721	0.6186
572.597	0.8803	573.647	0.7425	574.696	0.6735	575.746	0.6234
572.622	0.8754	573.672	0.7432	574.721	0.6734	575.771	0.6235
572.647	0.8756	573.697	0.7440	574.746	0.6733	575.795	0.6100
572.672	0.9108	573.722	0.7782	574.771	0.6734	575.821	0.6101
572.697	0.9112	573.747	0.7838	574.796	0.6735	575.846	0.6102
572.722	0.9267	573.772	0.7462	574.821	0.6459	575.870	0.6195
572.747	0.9273	573.797	0.7468	574.846	0.6416	575.896	0.6197
572.772	0.9279	573.822	0.7426	574.871	0.6604	575.920	0.5836
572.797	0.8836	573.847	0.7099	574.896	0.6562	575.945	0.5838
572.822	0.8792	573.872	0.7102	574.921	0.6613	575.970	0.5661
572.847	0.8748	573.897	0.7388	574.946	0.6617	575.995	0.5710
572.872	0.8752	573.922	0.7390	574.971	0.6621	576.020	0.5714
572.897	0.8756	573.947	0.7392	574.996	0.6949	576.045	0.5674
572.922	0.8415	573.971	0.7206	575.021	0.6951	576.070	0.5723
572.947	0.8369	573.997	0.7209	575.046	0.6952	576.095	0.5683



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
576.120	0.5732	577.170	0.5894	578.219	0.5581	579.269	0.6372
576.145	0.5736	577.195	0.5896	578.244	0.5583	579.294	0.6603
576.170	0.5604	577.220	0.5628	578.269	0.5674	579.318	0.6605
576.195	0.5651	577.245	0.5719	578.294	0.5677	579.343	0.6607
576.220	0.5385	577.270	0.5856	578.319	0.5591	579.369	0.6472
576.245	0.5386	577.295	0.5901	578.344	0.5594	579.393	0.6473
576.270	0.5432	577.320	0.5902	578.369	0.5598	579.418	0.6611
576.295	0.5477	577.345	0.6129	578.394	0.5381	579.443	0.6750
576.320	0.5478	577.370	0.6129	578.419	0.5342	579.468	0.6614
576.345	0.5882	577.395	0.5545	578.444	0.5882	579.493	0.6615
576.370	0.5883	577.420	0.5546	578.469	0.5887	579.518	0.6755
576.395	0.5883	577.445	0.5548	578.494	0.5892	579.543	0.6301
576.420	0.5748	577.470	0.5462	578.519	0.5897	579.568	0.6213
576.445	0.5749	577.495	0.5511	578.544	0.5900	579.593	0.6216
576.470	0.5750	577.520	0.5294	578.569	0.5903	579.618	0.6766
576.495	0.5751	577.545	0.5345	578.594	0.5905	579.643	0.6770
576.520	0.5753	577.570	0.5309	578.619	0.6042	579.668	0.6227
576.545	0.5575	577.595	0.5317	578.644	0.6087	579.693	0.6231
576.570	0.5577	577.620	0.5370	578.669	0.6042	579.718	0.6235
576.595	0.5669	577.645	0.5379	578.694	0.6087	579.743	0.6058
576.620	0.5671	577.669	0.5343	578.719	0.6085	579.768	0.6107
576.645	0.5674	577.695	0.5307	578.744	0.6310	579.793	0.6563
576.670	0.5408	577.719	0.5315	578.769	0.6309	579.818	0.6565
576.695	0.5411	577.744	0.5277	578.794	0.6308	579.843	0.6567
576.720	0.5414	577.769	0.5371	578.819	0.6307	579.868	0.6659
576.745	0.5417	577.794	0.5376	578.844	0.6307	579.893	0.6660
576.770	0.5375	577.819	0.5514	578.869	0.6443	579.918	0.6477
576.795	0.5377	577.844	0.5517	578.894	0.6444	579.943	0.6477
576.820	0.5423	577.869	0.5520	578.919	0.6492	579.968	0.6523
576.845	0.5114	577.894	0.5522	578.944	0.6540	579.993	0.6477
576.870	0.5115	577.919	0.5524	578.969	0.6543	580.018	0.6523
576.895	0.5294	577.944	0.5615	578.994	0.6685	580.043	0.6799
576.920	0.5295	577.969	0.5571	579.019	0.6690	580.068	0.6801
576.945	0.5252	577.994	0.5572	579.044	0.6695	580.093	0.6348
576.970	0.5297	578.019	0.5842	579.069	0.6700	580.118	0.6262
576.995	0.5299	578.044	0.5843	579.094	0.6660	580.143	0.6221
577.020	0.5702	578.069	0.5575	579.119	0.6437	580.168	0.6864
577.045	0.5704	578.094	0.5576	579.144	0.6442	580.193	0.6870
577.070	0.5706	578.119	0.5577	579.169	0.6447	580.218	0.6829
577.095	0.5888	578.144	0.5756	579.194	0.6089	580.243	0.6835
577.120	0.5890	578.169	0.5757	579.219	0.6094	580.268	0.6840
577.145	0.5847	578.194	0.5580	579.244	0.6369	580.293	0.6074



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
580.318	0.6124	581.367	0.5621	582.417	0.4721	583.466	0.5203
580.343	0.5994	581.392	0.5532	582.442	0.4810	583.491	0.5034
580.368	0.5999	581.417	0.5532	582.467	0.4813	583.516	0.5038
580.393	0.6004	581.442	0.5531	582.492	0.4817	583.541	0.4828
580.418	0.6188	581.467	0.5353	582.517	0.4949	583.566	0.4834
580.443	0.6148	581.492	0.5352	582.542	0.4953	583.591	0.4840
580.468	0.6514	581.517	0.5657	582.567	0.4826	583.616	0.4931
580.493	0.6518	581.542	0.5654	582.592	0.4830	583.641	0.4936
580.518	0.6522	581.567	0.5695	582.617	0.5049	583.666	0.4854
580.543	0.6616	581.592	0.5338	582.642	0.5052	583.691	0.4857
580.568	0.6620	581.617	0.5291	582.667	0.5054	583.716	0.4860
580.593	0.6622	581.642	0.5331	582.692	0.4927	583.741	0.5035
580.618	0.6579	581.667	0.5328	582.717	0.4929	583.766	0.5037
580.643	0.6627	581.692	0.5501	582.742	0.4974	583.791	0.4867
580.668	0.6449	581.717	0.5324	582.767	0.4976	583.816	0.4869
580.693	0.6452	581.742	0.5324	582.792	0.5021	583.841	0.4871
580.718	0.6275	581.767	0.5324	582.817	0.5067	583.866	0.4787
580.743	0.6280	581.792	0.5325	582.841	0.5070	583.891	0.4789
580.768	0.6284	581.817	0.5546	582.867	0.5073	583.916	0.4705
580.793	0.6334	581.842	0.5503	582.892	0.5076	583.941	0.4707
580.818	0.6338	581.867	0.5505	582.917	0.5080	583.966	0.4707
580.843	0.6342	581.892	0.5595	582.942	0.4997	583.991	0.4793
580.868	0.6300	581.917	0.5598	582.966	0.5045	584.016	0.4792
580.893	0.6168	581.942	0.5644	582.991	0.5007	584.041	0.5092
580.918	0.6170	581.967	0.5647	583.016	0.5011	584.066	0.5090
580.943	0.6171	581.992	0.5650	583.041	0.5016	584.091	0.5131
580.968	0.6262	582.017	0.5346	583.066	0.5107	584.116	0.5346
580.993	0.6264	582.042	0.5350	583.091	0.5111	584.141	0.5256
581.018	0.6356	582.067	0.5049	583.116	0.5288	584.166	0.4779
581.043	0.6359	582.092	0.5055	583.141	0.5291	584.191	0.4820
581.068	0.6362	582.117	0.5060	583.166	0.5294	584.216	0.4690
581.092	0.6185	582.142	0.4762	583.191	0.5295	584.241	0.4689
581.117	0.6189	582.167	0.4768	583.216	0.5296	584.266	0.4689
581.143	0.5791	582.192	0.5076	583.241	0.5383	584.291	0.4862
581.167	0.5794	582.217	0.4994	583.266	0.5382	584.316	0.4863
581.193	0.5753	582.242	0.5085	583.291	0.5380	584.341	0.5255
581.217	0.5622	582.267	0.5176	583.316	0.5378	584.366	0.5258
581.242	0.5623	582.292	0.5180	583.341	0.5332	584.391	0.5262
581.267	0.5535	582.317	0.5096	583.366	0.5374	584.416	0.5571
581.292	0.5535	582.342	0.5100	583.391	0.5374	584.441	0.5575
581.317	0.5534	582.367	0.5103	583.416	0.5199	584.466	0.4885
581.342	0.5622	582.392	0.4717	583.441	0.5201	584.491	0.4889



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
584.516	0.4849	585.565	0.5658	586.614	0.5335	587.664	0.5636
584.541	0.5111	585.590	0.6329	586.639	0.5426	587.689	0.5549
584.566	0.5113	585.615	0.6337	586.664	0.5430	587.714	0.5548
584.591	0.5419	585.640	0.6346	586.689	0.5433	587.739	0.5373
584.616	0.5419	585.665	0.6356	586.714	0.5437	587.764	0.5371
584.641	0.5463	585.690	0.6366	586.739	0.6008	587.789	0.5325
584.666	0.5462	585.715	0.6154	586.764	0.6011	587.814	0.5323
584.691	0.5462	585.740	0.6165	586.789	0.6013	587.839	0.5320
584.716	0.5287	585.765	0.5910	586.814	0.5840	587.864	0.5318
584.740	0.5287	585.790	0.5964	586.839	0.5885	587.889	0.5274
584.766	0.5288	585.815	0.5928	586.864	0.5667	587.914	0.5058
584.790	0.5771	585.840	0.6201	586.889	0.5624	587.939	0.5100
584.815	0.5773	585.865	0.6207	586.914	0.5623	587.964	0.5058
584.840	0.5952	585.890	0.6034	586.939	0.5840	587.989	0.5535
584.865	0.5911	585.915	0.6079	586.964	0.5838	588.014	0.5537
584.890	0.5958	585.940	0.5377	586.989	0.5573	588.039	0.5671
584.915	0.5477	585.965	0.5374	587.014	0.5613	588.064	0.5630
584.940	0.5435	585.990	0.5369	587.039	0.5610	588.089	0.5634
584.965	0.5612	586.015	0.5667	587.064	0.5606	588.114	0.5333
584.990	0.5613	586.040	0.5702	587.089	0.5604	588.139	0.5337
585.015	0.5614	586.065	0.5606	587.114	0.5645	588.164	0.5385
585.040	0.5614	586.090	0.5597	587.139	0.5687	588.188	0.5432
585.065	0.5614	586.115	0.5589	587.164	0.5687	588.213	0.5393
585.090	0.5614	586.140	0.5582	587.189	0.5643	588.239	0.5354
585.115	0.5614	586.165	0.5534	587.214	0.5688	588.263	0.5358
585.140	0.5615	586.190	0.5575	587.239	0.5299	588.288	0.5275
585.165	0.5616	586.215	0.5575	587.264	0.5258	588.313	0.5364
585.190	0.5617	586.240	0.5577	587.289	0.5304	588.338	0.5453
585.215	0.5619	586.265	0.5537	587.314	0.5351	588.363	0.5454
585.240	0.5621	586.290	0.5455	587.339	0.5354	588.388	0.5411
585.265	0.5800	586.315	0.5593	587.364	0.5314	588.413	0.5759
585.290	0.5802	586.340	0.5601	587.389	0.5361	588.438	0.5759
585.315	0.5805	586.365	0.5610	587.414	0.5320	588.463	0.5672
585.340	0.5807	586.390	0.5531	587.439	0.4893	588.488	0.5716
585.365	0.5809	586.414	0.5540	587.464	0.4895	588.513	0.5674
585.390	0.5635	586.440	0.5593	587.489	0.5327	588.538	0.5459
585.415	0.5637	586.465	0.5645	587.514	0.5328	588.563	0.5418
585.440	0.5639	586.490	0.5653	587.539	0.5460	588.588	0.5770
585.465	0.5510	586.515	0.5748	587.564	0.5461	588.613	0.5775
585.490	0.5512	586.539	0.5754	587.589	0.5462	588.638	0.5780
585.515	0.5647	586.564	0.5325	587.614	0.5636	588.663	0.5785
585.540	0.5652	586.589	0.5374	587.639	0.5636	588.688	0.5791



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
588.713	0.5797	589.763	0.5897	590.812	0.6503	591.861	0.6498
588.738	0.5802	589.788	0.5900	590.837	0.6506	591.886	0.6500
588.763	0.5851	589.813	0.5903	590.862	0.6643	591.911	0.6813
588.788	0.5856	589.838	0.6302	590.887	0.6648	591.936	0.6859
588.813	0.5904	589.863	0.6304	590.912	0.6653	591.961	0.6815
588.838	0.5733	589.888	0.5954	590.937	0.6614	591.986	0.6815
588.863	0.5737	589.913	0.5999	590.962	0.6620	592.011	0.6726
588.888	0.5739	589.938	0.5956	590.987	0.6626	592.036	0.6591
588.913	0.5872	589.962	0.6087	591.012	0.6631	592.061	0.6546
588.938	0.5917	589.987	0.6042	591.037	0.6637	592.086	0.6590
588.963	0.5440	590.013	0.5822	591.062	0.6376	592.111	0.6412
588.988	0.5442	590.037	0.5820	591.087	0.6381	592.136	0.6413
589.013	0.5444	590.063	0.6213	591.112	0.6297	592.161	0.6726
589.038	0.5750	590.087	0.6210	591.137	0.6302	592.186	0.6730
589.063	0.5797	590.112	0.6208	591.162	0.6350	592.211	0.6736
589.088	0.5583	590.137	0.6293	591.187	0.5742	592.236	0.6743
589.113	0.5587	590.162	0.6290	591.212	0.5745	592.261	0.6752
589.138	0.5592	590.187	0.6375	591.237	0.5361	592.286	0.6716
589.163	0.5771	590.212	0.6372	591.262	0.5321	592.311	0.6725
589.188	0.5820	590.237	0.6369	591.287	0.5366	592.336	0.6734
589.213	0.5608	590.262	0.6277	591.312	0.5240	592.361	0.6964
589.238	0.5613	590.287	0.6275	591.337	0.5242	592.386	0.6970
589.263	0.5488	590.312	0.6009	591.362	0.5457	592.411	0.7063
589.288	0.5491	590.337	0.6008	591.387	0.5457	592.436	0.7064
589.313	0.5494	590.362	0.6008	591.412	0.5457	592.461	0.7062
589.338	0.5844	590.387	0.6318	591.437	0.5933	592.486	0.7149
589.363	0.5801	590.412	0.6364	591.462	0.5932	592.511	0.7143
589.388	0.6108	590.437	0.6457	591.487	0.5756	592.536	0.6557
589.413	0.6020	590.462	0.6461	591.512	0.5754	592.561	0.6550
589.438	0.6020	590.487	0.6466	591.537	0.5752	592.586	0.6015
589.463	0.6595	590.512	0.6783	591.562	0.6319	592.611	0.5966
589.488	0.6639	590.537	0.6788	591.587	0.6361	592.636	0.6005
589.513	0.6461	590.562	0.6973	591.612	0.6183	592.661	0.6440
589.538	0.6416	590.587	0.6933	591.637	0.6182	592.686	0.6438
589.563	0.6460	590.612	0.6982	591.662	0.6138	592.711	0.6704
589.588	0.6195	590.637	0.7030	591.687	0.6137	592.736	0.6704
589.613	0.6195	590.662	0.7077	591.711	0.6137	592.761	0.6705
589.638	0.6284	590.687	0.6988	591.737	0.6491	592.786	0.6352
589.663	0.6285	590.712	0.6989	591.762	0.6447	592.811	0.6353
589.688	0.6286	590.737	0.6945	591.786	0.6582	592.836	0.6354
589.713	0.5980	590.762	0.6633	591.812	0.6583	592.861	0.6354
589.738	0.5982	590.787	0.6635	591.836	0.6585	592.886	0.6354



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
592.911	0.6618	593.960	0.5843	595.010	0.4348	596.059	0.3981
592.936	0.6617	593.985	0.5800	595.035	0.4348	596.084	0.3977
592.961	0.6927	594.010	0.5585	595.060	0.4265	596.109	0.4261
592.986	0.6926	594.035	0.5585	595.085	0.4266	596.134	0.4256
593.011	0.6924	594.060	0.5628	595.110	0.3979	596.159	0.4168
593.036	0.6923	594.085	0.5584	595.135	0.3983	596.184	0.4204
593.061	0.6921	594.110	0.5582	595.160	0.3987	596.209	0.4159
593.086	0.7010	594.135	0.5493	595.185	0.4116	596.234	0.4322
593.111	0.6965	594.160	0.5490	595.210	0.4122	596.259	0.4320
593.136	0.7010	594.185	0.4890	595.235	0.4004	596.284	0.4779
593.161	0.7011	594.210	0.4843	595.260	0.4009	596.309	0.4779
593.186	0.7012	594.235	0.4837	595.284	0.4014	596.334	0.4782
593.211	0.6836	594.260	0.4789	595.310	0.3854	596.359	0.4995
593.236	0.6840	594.285	0.4783	595.335	0.3857	596.384	0.5000
593.261	0.6845	594.310	0.4860	595.359	0.3901	596.409	0.5005
593.286	0.6628	594.335	0.4897	595.385	0.3943	596.434	0.5053
593.311	0.6591	594.360	0.4807	595.409	0.3944	596.459	0.5017
593.336	0.6202	594.385	0.4300	595.434	0.3780	596.484	0.4437
593.361	0.6209	594.410	0.4296	595.459	0.3780	596.509	0.4569
593.386	0.5998	594.435	0.4460	595.484	0.3780	596.534	0.4368
593.411	0.6048	594.460	0.4458	595.509	0.3780	596.559	0.4374
593.436	0.6010	594.485	0.4458	595.534	0.3780	596.584	0.4380
593.461	0.5710	594.510	0.4333	595.559	0.4027	596.609	0.4635
593.486	0.5714	594.535	0.4376	595.584	0.4027	596.634	0.4640
593.511	0.6020	594.560	0.4420	595.609	0.3904	596.659	0.4643
593.536	0.6022	594.585	0.4464	595.634	0.3946	596.684	0.4604
593.561	0.6023	594.610	0.4467	595.659	0.3947	596.709	0.4481
593.585	0.5548	594.635	0.4387	595.684	0.3907	596.734	0.4482
593.610	0.5550	594.660	0.4391	595.709	0.3950	596.759	0.4482
593.635	0.5941	594.685	0.4479	595.734	0.3788	596.784	0.4232
593.660	0.5943	594.710	0.4484	595.759	0.3791	596.809	0.4229
593.685	0.5946	594.735	0.4447	595.784	0.3794	596.834	0.4226
593.710	0.6299	594.760	0.4788	595.809	0.4126	596.859	0.4221
593.735	0.6258	594.785	0.4751	595.834	0.4130	596.884	0.4215
593.760	0.5782	594.810	0.4714	595.859	0.3806	596.909	0.4168
593.785	0.5785	594.835	0.4718	595.884	0.3810	596.934	0.4161
593.810	0.5832	594.860	0.4721	595.909	0.3896	596.958	0.4195
593.835	0.5965	594.885	0.4348	595.934	0.3899	596.984	0.4188
593.860	0.5967	594.910	0.4349	595.959	0.3902	597.009	0.4182
593.885	0.6187	594.935	0.4433	595.984	0.3903	597.033	0.4802
593.910	0.6189	594.960	0.4432	596.009	0.3944	597.058	0.4799
593.935	0.6234	594.985	0.4349	596.034	0.3984	597.083	0.4421



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
597.108	0.4422	598.158	0.4355	599.207	0.4643	600.257	0.4824
597.133	0.4425	598.183	0.4353	599.232	0.4394	600.282	0.4657
597.158	0.4470	598.208	0.4226	599.257	0.4355	600.307	0.4657
597.183	0.4518	598.233	0.4183	599.282	0.4399	600.332	0.4492
597.208	0.4193	598.258	0.4387	599.307	0.4237	600.357	0.4369
597.233	0.4200	598.283	0.4427	599.332	0.4241	600.382	0.4371
597.258	0.4248	598.308	0.4343	599.357	0.4411	600.407	0.4665
597.283	0.4213	598.333	0.4343	599.382	0.4415	600.432	0.4667
597.308	0.4260	598.358	0.4343	599.407	0.4418	600.457	0.4879
597.333	0.4555	598.383	0.4345	599.432	0.4214	600.482	0.4923
597.358	0.4517	598.408	0.4347	599.457	0.4215	600.507	0.4925
597.383	0.4561	598.433	0.4267	599.482	0.4134	600.532	0.4676
597.408	0.4688	598.458	0.4269	599.507	0.4135	600.557	0.4720
597.433	0.4647	598.483	0.4272	599.532	0.4134	600.581	0.5058
597.458	0.4480	598.508	0.4233	599.557	0.4299	600.607	0.5061
597.483	0.4480	598.533	0.4235	599.582	0.4256	600.632	0.5107
597.508	0.4231	598.558	0.4526	599.607	0.4255	600.656	0.4691
597.533	0.4231	598.583	0.4527	599.632	0.4254	600.682	0.4695
597.558	0.4230	598.608	0.4527	599.657	0.4253	600.706	0.4701
597.583	0.4189	598.633	0.4735	599.682	0.4500	600.731	0.4706
597.608	0.4188	598.658	0.4734	599.707	0.4499	600.756	0.4711
597.633	0.4560	598.683	0.4566	599.732	0.4875	600.781	0.4508
597.658	0.4558	598.708	0.4565	599.757	0.4874	600.806	0.4511
597.683	0.4557	598.733	0.4564	599.782	0.4874	600.831	0.4555
597.708	0.4389	598.758	0.4438	599.807	0.4873	600.856	0.4598
597.733	0.4387	598.782	0.4437	599.832	0.4873	600.881	0.4598
597.758	0.4678	598.807	0.4229	599.857	0.4537	600.906	0.4764
597.783	0.4677	598.832	0.4228	599.882	0.4536	600.931	0.4762
597.808	0.4677	598.857	0.4227	599.907	0.4575	600.956	0.4426
597.833	0.4846	598.883	0.4640	599.932	0.4698	600.981	0.4424
597.858	0.4932	598.907	0.4679	599.957	0.4695	601.006	0.4505
597.883	0.4851	598.932	0.5139	599.982	0.5070	601.031	0.4504
597.908	0.4855	598.957	0.5136	600.007	0.5066	601.056	0.4503
597.933	0.4861	598.982	0.5133	600.032	0.4935	601.081	0.4254
597.958	0.5036	599.007	0.4876	600.057	0.4931	601.106	0.4255
597.983	0.5000	599.032	0.4871	600.082	0.4927	601.131	0.4132
598.008	0.4421	599.057	0.4951	600.107	0.4839	601.156	0.4092
598.033	0.4427	599.082	0.4947	600.132	0.4835	601.181	0.4134
598.058	0.4432	599.107	0.4901	600.157	0.4664	601.206	0.4259
598.083	0.4436	599.132	0.4940	600.182	0.4661	601.231	0.4260
598.108	0.4438	599.157	0.4938	600.207	0.4659	601.256	0.4593
598.133	0.4355	599.182	0.4601	600.232	0.4825	601.281	0.4594



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
601.306	0.4594	602.356	0.3874	603.405	0.2949	604.454	0.2332
601.331	0.4429	602.380	0.3670	603.430	0.2751	604.479	0.2374
601.356	0.4429	602.406	0.3668	603.455	0.2752	604.504	0.2377
601.381	0.4264	602.431	0.3584	603.480	0.2320	604.529	0.2341
601.406	0.4264	602.455	0.3580	603.505	0.2321	604.554	0.2384
601.431	0.4264	602.480	0.3575	603.530	0.2321	604.579	0.2229
601.456	0.4430	602.505	0.3328	603.555	0.2400	604.604	0.2231
601.481	0.4429	602.530	0.3323	603.580	0.2361	604.629	0.2231
601.506	0.4719	602.555	0.3399	603.605	0.2597	604.654	0.2308
601.531	0.4718	602.580	0.3396	603.630	0.2636	604.679	0.2305
601.556	0.4757	602.605	0.3394	603.655	0.2556	604.704	0.2655
601.581	0.4421	602.630	0.3313	603.680	0.2477	604.729	0.2650
601.606	0.4418	602.655	0.3314	603.705	0.2437	604.754	0.2644
601.631	0.4126	602.680	0.3236	603.730	0.2554	604.779	0.2127
601.656	0.4123	602.705	0.3279	603.755	0.2554	604.804	0.2120
601.681	0.4120	602.730	0.3283	603.780	0.2672	604.829	0.2114
601.706	0.4199	602.755	0.3247	603.805	0.2673	604.854	0.2187
601.731	0.4197	602.780	0.3291	603.830	0.2675	604.879	0.2105
601.756	0.4194	602.805	0.3497	603.855	0.2322	604.904	0.2336
601.781	0.4192	602.830	0.3501	603.880	0.2325	604.929	0.2333
601.806	0.4191	602.855	0.3062	603.905	0.2563	604.954	0.2330
601.831	0.3860	602.880	0.3064	603.930	0.2566	604.979	0.2328
601.856	0.3858	602.905	0.3065	603.955	0.2568	605.004	0.2326
601.881	0.3856	602.930	0.3145	603.980	0.2688	605.029	0.2482
601.906	0.3854	602.955	0.3144	604.005	0.2688	605.054	0.2480
601.931	0.3934	602.980	0.2982	604.030	0.2688	605.079	0.2479
601.956	0.3931	603.005	0.2978	604.055	0.2686	605.104	0.2477
601.981	0.3929	603.030	0.2974	604.080	0.2684	605.129	0.2752
602.006	0.4091	603.055	0.2809	604.105	0.2562	605.154	0.2750
602.031	0.4089	603.080	0.2844	604.130	0.2558	605.179	0.2749
602.056	0.4006	603.105	0.3158	604.154	0.2553	605.204	0.2707
602.081	0.4005	603.130	0.3153	604.180	0.2548	605.229	0.2745
602.106	0.3965	603.155	0.3149	604.204	0.2544	605.254	0.2585
602.131	0.3680	603.180	0.3025	604.229	0.2657	605.279	0.2584
602.156	0.3683	603.205	0.3023	604.255	0.2653	605.304	0.2583
602.181	0.3524	603.230	0.2743	604.279	0.2295	605.329	0.2940
602.206	0.3528	603.255	0.2703	604.304	0.2292	605.354	0.2941
602.231	0.3492	603.280	0.2743	604.329	0.2290	605.379	0.2743
602.256	0.3863	603.305	0.3103	604.354	0.2210	605.404	0.2745
602.281	0.3867	603.330	0.3104	604.379	0.2210	605.429	0.2749
602.306	0.3871	603.355	0.2946	604.404	0.2171	605.454	0.2674
602.331	0.3873	603.380	0.2948	604.429	0.2134	605.479	0.2680



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
605.504	0.2846	606.553	0.2422	607.603	0.2487	608.652	0.2564
605.529	0.2853	606.578	0.2422	607.628	0.2489	608.677	0.2519
605.554	0.2820	606.603	0.2305	607.652	0.2492	608.702	0.2395
605.579	0.2907	606.628	0.2543	607.677	0.2417	608.727	0.2390
605.604	0.2914	606.653	0.2545	607.702	0.2421	608.752	0.2385
605.629	0.2800	606.678	0.2704	607.727	0.2386	608.777	0.2460
605.654	0.2805	606.703	0.2705	607.753	0.2391	608.802	0.2456
605.679	0.2809	606.728	0.2704	607.777	0.2515	608.827	0.2731
605.704	0.2812	606.753	0.2585	607.802	0.2520	608.852	0.2729
605.729	0.2814	606.778	0.2623	607.827	0.2524	608.877	0.2727
605.754	0.2974	606.803	0.2661	607.852	0.2448	608.902	0.2567
605.779	0.2894	606.828	0.2700	607.877	0.2450	608.927	0.2606
605.804	0.2932	606.853	0.2699	607.902	0.2768	608.952	0.2567
605.828	0.3009	606.878	0.2699	607.927	0.2727	608.977	0.2527
605.854	0.3005	606.903	0.2699	607.952	0.2765	609.002	0.2528
605.879	0.2761	606.928	0.2860	607.977	0.2326	609.027	0.2529
605.903	0.2795	606.953	0.2861	608.002	0.2322	609.052	0.2530
605.928	0.2788	606.978	0.2862	608.027	0.2595	609.077	0.2411
605.953	0.2623	607.003	0.2823	608.052	0.2590	609.102	0.2372
605.978	0.2616	607.028	0.2824	608.077	0.2585	609.127	0.2371
606.003	0.2372	607.053	0.2506	608.102	0.2225	609.152	0.2569
606.028	0.2366	607.078	0.2543	608.127	0.2181	609.177	0.2567
606.053	0.2243	607.103	0.2540	608.152	0.2569	609.202	0.2605
606.078	0.2238	607.128	0.2536	608.177	0.2564	609.227	0.2563
606.103	0.2234	607.153	0.2531	608.202	0.2558	609.252	0.2561
606.128	0.2586	607.178	0.2407	608.227	0.2751	609.277	0.2558
606.153	0.2583	607.203	0.2401	608.252	0.2746	609.302	0.2555
606.178	0.2463	607.228	0.2199	608.277	0.2462	609.327	0.2551
606.203	0.2461	607.253	0.2193	608.302	0.2457	609.352	0.2548
606.228	0.2460	607.278	0.2228	608.327	0.2453	609.377	0.2346
606.253	0.2300	607.303	0.2263	608.352	0.2528	609.401	0.2343
606.278	0.2298	607.328	0.2377	608.377	0.2524	609.427	0.2340
606.303	0.2650	607.353	0.2374	608.402	0.2601	609.451	0.2336
606.328	0.2646	607.378	0.2372	608.427	0.2558	609.476	0.2333
606.353	0.2642	607.403	0.2370	608.452	0.2595	609.501	0.2212
606.378	0.2638	607.428	0.2368	608.477	0.2434	609.526	0.2210
606.403	0.2633	607.453	0.2367	608.502	0.2431	609.551	0.2248
606.428	0.2471	607.478	0.2366	608.527	0.2309	609.576	0.2089
606.453	0.2467	607.503	0.2366	608.552	0.2305	609.601	0.2128
606.478	0.2464	607.528	0.2366	608.577	0.2301	609.626	0.2326
606.503	0.2423	607.553	0.2485	608.602	0.2297	609.651	0.2328
606.528	0.2422	607.578	0.2486	608.627	0.2292	609.676	0.2331



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
609.701	0.2414	610.751	0.2422	611.800	0.3380	612.850	0.4788
609.726	0.2419	610.776	0.2457	611.825	0.3375	612.875	0.4786
609.751	0.2425	610.801	0.2374	611.850	0.3167	612.900	0.4529
609.776	0.2432	610.826	0.2371	611.875	0.3123	612.925	0.4525
609.801	0.2438	610.851	0.2368	611.900	0.3161	612.950	0.4018
609.826	0.2604	610.876	0.2405	611.925	0.3159	612.975	0.4014
609.851	0.2611	610.901	0.2482	611.950	0.3157	613.000	0.4010
609.876	0.2577	610.926	0.2560	611.975	0.3075	613.024	0.3923
609.901	0.2581	610.951	0.2557	612.000	0.3075	613.050	0.3920
609.926	0.2624	610.976	0.2555	612.025	0.2993	613.074	0.3504
609.951	0.2626	611.001	0.2552	612.050	0.3034	613.099	0.3460
609.976	0.2586	611.026	0.2589	612.075	0.2993	613.125	0.3458
610.001	0.2665	611.051	0.2786	612.100	0.3156	613.149	0.3292
610.026	0.2663	611.076	0.2783	612.125	0.3157	613.174	0.3289
610.051	0.2700	611.101	0.2781	612.150	0.3362	613.199	0.3286
610.076	0.2577	611.126	0.2779	612.175	0.3486	613.224	0.3282
610.101	0.2574	611.151	0.2737	612.200	0.3364	613.249	0.3278
610.126	0.2730	611.176	0.2696	612.225	0.3694	613.274	0.3150
610.151	0.2727	611.201	0.2696	612.250	0.3696	613.299	0.3102
610.176	0.2724	611.226	0.2978	612.275	0.3451	613.324	0.2933
610.201	0.2443	611.250	0.2978	612.300	0.3452	613.349	0.2885
610.226	0.2442	611.275	0.2979	612.325	0.3453	613.374	0.2877
610.251	0.2638	611.300	0.2900	612.350	0.3990	613.399	0.2992
610.276	0.2637	611.325	0.2902	612.375	0.4074	613.424	0.3026
610.301	0.2476	611.350	0.3065	612.400	0.3990	613.449	0.2899
610.326	0.2513	611.375	0.3067	612.425	0.3990	613.474	0.2855
610.351	0.2511	611.400	0.3110	612.450	0.3989	613.499	0.2894
610.376	0.2549	611.425	0.3315	612.475	0.3739	613.524	0.2933
610.401	0.2546	611.450	0.3316	612.500	0.3737	613.549	0.2933
610.426	0.2703	611.475	0.3358	612.525	0.3488	613.574	0.3015
610.451	0.2701	611.500	0.3440	612.550	0.3526	613.599	0.3017
610.476	0.2698	611.525	0.3440	612.575	0.3523	613.624	0.2856
610.501	0.2417	611.550	0.3439	612.600	0.3520	613.649	0.2897
610.526	0.2415	611.575	0.3436	612.625	0.3516	613.674	0.2856
610.551	0.2532	611.600	0.3802	612.650	0.3595	613.699	0.3222
610.576	0.2569	611.625	0.3880	612.675	0.3591	613.724	0.3220
610.601	0.2526	611.650	0.3791	612.700	0.3878	613.749	0.3218
610.626	0.2682	611.675	0.3743	612.725	0.3875	613.774	0.3215
610.651	0.2678	611.700	0.3736	612.750	0.3872	613.799	0.3211
610.676	0.2594	611.725	0.3605	612.775	0.4329	613.824	0.3208
610.701	0.2590	611.750	0.3639	612.800	0.4327	613.849	0.3204
610.726	0.2585	611.775	0.3591	612.825	0.4748	613.874	0.3038



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
613.899	0.3035	614.948	0.2455	615.998	0.3007	617.047	0.3612
613.924	0.3074	614.973	0.2491	616.023	0.2799	617.072	0.3201
613.949	0.2992	614.998	0.2489	616.048	0.2795	617.097	0.3204
613.974	0.2992	615.023	0.2487	616.073	0.2789	617.122	0.3207
613.999	0.3196	615.048	0.2365	616.098	0.2620	617.147	0.3125
614.024	0.3197	615.073	0.2405	616.123	0.2654	617.172	0.3125
614.049	0.3199	615.098	0.2365	616.148	0.2850	617.197	0.2961
614.074	0.3446	615.123	0.2528	616.173	0.2843	617.222	0.2960
614.099	0.3448	615.148	0.2530	616.198	0.2836	617.247	0.3040
614.124	0.3203	615.173	0.2856	616.223	0.2830	617.272	0.3203
614.149	0.3203	615.198	0.2859	616.248	0.2824	617.297	0.3200
614.174	0.3203	615.223	0.2498	616.273	0.3023	617.322	0.3198
614.199	0.3202	615.248	0.2501	616.298	0.3018	617.347	0.3195
614.224	0.3200	615.273	0.2464	616.323	0.3014	617.372	0.3192
614.249	0.2912	615.298	0.2586	616.348	0.3256	617.397	0.3024
614.274	0.2908	615.323	0.2547	616.373	0.3253	617.422	0.3020
614.299	0.2904	615.348	0.2628	616.398	0.3004	617.447	0.2974
614.324	0.3143	615.373	0.2627	616.423	0.3001	617.472	0.2970
614.349	0.3179	615.398	0.2626	616.448	0.3082	617.497	0.3005
614.374	0.3173	615.423	0.2343	616.473	0.3163	617.522	0.3288
614.399	0.3167	615.448	0.2341	616.497	0.3121	617.547	0.3283
614.424	0.3243	615.473	0.2620	616.522	0.2998	617.572	0.2824
614.449	0.3237	615.498	0.2618	616.547	0.2998	617.597	0.2818
614.474	0.3231	615.523	0.2616	616.572	0.2957	617.622	0.2812
614.499	0.3266	615.548	0.2858	616.597	0.2631	617.647	0.2807
614.524	0.3301	615.573	0.2856	616.622	0.2710	617.672	0.2801
614.549	0.2928	615.598	0.2450	616.647	0.3281	617.697	0.2796
614.574	0.2923	615.623	0.2489	616.672	0.3276	617.722	0.2791
614.599	0.2918	615.648	0.2486	616.697	0.3270	617.747	0.2992
614.624	0.2832	615.673	0.2604	616.722	0.3553	617.772	0.3030
614.649	0.2829	615.698	0.2600	616.747	0.3545	617.797	0.3028
614.674	0.3110	615.723	0.2677	616.772	0.3495	617.822	0.3150
614.698	0.3106	615.748	0.2673	616.797	0.3487	617.847	0.3149
614.724	0.3102	615.773	0.2708	616.822	0.3480	617.872	0.3564
614.748	0.2814	615.798	0.3029	616.847	0.3558	617.897	0.3564
614.773	0.2809	615.823	0.3025	616.872	0.3554	617.922	0.3564
614.798	0.2764	615.848	0.3104	616.897	0.3386	617.947	0.3231
614.823	0.2760	615.873	0.3060	616.922	0.3386	617.972	0.3230
614.848	0.2715	615.898	0.3098	616.947	0.3931	617.997	0.3228
614.873	0.2791	615.923	0.2811	616.972	0.3892	618.022	0.3226
614.898	0.2786	615.948	0.2768	616.997	0.3896	618.047	0.3223
614.923	0.2459	615.973	0.3010	617.022	0.3566	618.072	0.3219



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
618.097	0.3215	619.146	0.2162	620.195	0.2563	621.245	0.2675
618.122	0.3005	619.171	0.2607	620.220	0.2355	621.270	0.2590
618.147	0.3001	619.196	0.2567	620.245	0.2351	621.295	0.2545
618.172	0.2997	619.221	0.2609	620.270	0.2551	621.320	0.2581
618.197	0.2830	619.246	0.2367	620.295	0.2549	621.345	0.2576
618.222	0.2828	619.271	0.2411	620.320	0.2547	621.370	0.2570
618.247	0.2744	619.296	0.2253	620.345	0.2709	621.395	0.2728
618.271	0.2743	619.321	0.2257	620.370	0.2667	621.420	0.2722
618.297	0.2742	619.346	0.2464	620.395	0.2871	621.445	0.2470
618.321	0.2905	619.371	0.2509	620.420	0.2828	621.470	0.2465
618.346	0.2904	619.396	0.2513	620.445	0.2867	621.495	0.2461
618.371	0.2739	619.421	0.2111	620.470	0.2905	621.520	0.2457
618.396	0.2737	619.446	0.2113	620.495	0.2901	621.545	0.2455
618.421	0.2735	619.471	0.2478	620.520	0.3186	621.570	0.2371
618.446	0.2569	619.496	0.2519	620.545	0.3222	621.595	0.2369
618.471	0.2566	619.521	0.2518	620.570	0.3216	621.620	0.2367
618.496	0.2563	619.546	0.2639	620.595	0.2836	621.645	0.2201
618.521	0.2601	619.571	0.2637	620.620	0.2829	621.670	0.2361
618.546	0.2395	619.596	0.2880	620.645	0.2822	621.695	0.2357
618.571	0.2351	619.621	0.2836	620.670	0.2814	621.720	0.2352
618.596	0.2390	619.646	0.2833	620.695	0.2807	621.745	0.2346
618.621	0.2510	619.671	0.2871	620.720	0.3173	621.770	0.1974
618.646	0.2509	619.696	0.2868	620.745	0.3166	621.795	0.2009
618.671	0.2550	619.721	0.2865	620.770	0.2911	621.820	0.1801
618.696	0.2468	619.746	0.2862	620.795	0.2905	621.844	0.1796
618.721	0.2509	619.771	0.2819	620.820	0.2900	621.870	0.1630
618.746	0.2025	619.796	0.2613	620.845	0.3061	621.894	0.1667
618.771	0.2064	619.821	0.2612	620.870	0.3056	621.919	0.1663
618.796	0.2182	619.846	0.2611	620.895	0.3219	621.944	0.1780
618.821	0.2178	619.871	0.2610	620.920	0.3175	621.969	0.1777
618.846	0.2172	619.896	0.2609	620.945	0.3214	621.994	0.1855
618.871	0.2125	619.921	0.2690	620.970	0.3422	622.019	0.1851
618.896	0.2117	619.946	0.2689	620.995	0.3421	622.044	0.1848
618.921	0.2228	619.971	0.3058	621.020	0.3045	622.069	0.1683
618.946	0.2218	619.996	0.3055	621.045	0.3046	622.094	0.1719
618.971	0.2248	620.021	0.3052	621.070	0.2798	622.119	0.1595
618.996	0.2319	620.046	0.3048	621.095	0.2799	622.144	0.1591
619.021	0.2309	620.070	0.3044	621.120	0.2801	622.169	0.1627
619.046	0.2301	620.095	0.2668	621.145	0.2760	622.194	0.1744
619.071	0.2294	620.120	0.2662	621.170	0.2761	622.219	0.1741
619.096	0.2249	620.145	0.2656	621.195	0.2637	622.244	0.1337
619.121	0.2164	620.170	0.2569	621.220	0.2636	622.269	0.1295



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
622.294	0.1293	623.344	0.1342	624.393	0.1629	625.442	0.1862
622.319	0.1531	623.369	0.1462	624.418	0.1630	625.467	0.1862
622.344	0.1530	623.394	0.1461	624.443	0.1630	625.492	0.1699
622.369	0.1449	623.419	0.1420	624.468	0.1589	625.517	0.1740
622.394	0.1448	623.444	0.1458	624.493	0.1588	625.542	0.1699
622.419	0.1446	623.469	0.1415	624.518	0.1953	625.567	0.1658
622.444	0.1285	623.494	0.1936	624.543	0.1950	625.592	0.1657
622.469	0.1283	623.519	0.1932	624.568	0.1947	625.617	0.1413
622.494	0.1440	623.544	0.1928	624.593	0.1496	625.642	0.1411
622.519	0.1437	623.569	0.1924	624.618	0.1492	625.667	0.1409
622.544	0.1433	623.594	0.1434	624.643	0.1406	625.692	0.1527
622.569	0.1348	623.619	0.1470	624.668	0.1401	625.717	0.1483
622.594	0.1343	623.643	0.1465	624.693	0.1395	625.742	0.1560
622.619	0.1537	623.669	0.1662	624.718	0.1794	625.767	0.1555
622.644	0.1532	623.693	0.1657	624.743	0.1788	625.792	0.1549
622.669	0.1488	623.719	0.1734	624.768	0.1457	625.817	0.1181
622.694	0.1484	623.744	0.1731	624.793	0.1451	625.842	0.1175
622.719	0.1482	623.768	0.1768	624.818	0.1446	625.867	0.1492
622.744	0.1481	623.793	0.1281	624.843	0.1440	625.892	0.1486
622.769	0.1481	623.818	0.1278	624.868	0.1436	625.917	0.1440
622.794	0.1602	623.843	0.1515	624.893	0.1715	625.942	0.1313
622.819	0.1603	623.868	0.1470	624.918	0.1711	625.967	0.1266
622.844	0.1644	623.893	0.1465	624.943	0.1668	625.992	0.1381
622.869	0.1887	623.918	0.1783	624.968	0.1544	626.017	0.1334
622.894	0.1846	623.943	0.1777	624.993	0.1502	626.042	0.1326
622.919	0.1482	623.968	0.1689	625.018	0.1541	626.067	0.1319
622.944	0.1479	623.993	0.1722	625.043	0.1500	626.092	0.1231
622.969	0.1474	624.018	0.1673	625.068	0.1540	626.117	0.1426
622.994	0.1468	624.043	0.1502	625.093	0.1217	626.142	0.1379
623.019	0.1462	624.068	0.1492	625.118	0.1177	626.167	0.1414
623.044	0.1375	624.093	0.1361	625.143	0.1337	626.192	0.1735
623.069	0.1369	624.118	0.1351	625.168	0.1336	626.217	0.1732
623.094	0.1362	624.143	0.1301	625.193	0.1497	626.242	0.1526
623.119	0.1157	624.168	0.1373	625.218	0.1496	626.267	0.1524
623.144	0.1153	624.193	0.1365	625.243	0.1536	626.292	0.1280
623.169	0.1268	624.218	0.1519	625.268	0.1576	626.317	0.1279
623.194	0.1306	624.243	0.1555	625.292	0.1575	626.342	0.1277
623.219	0.1264	624.268	0.1551	625.318	0.1738	626.367	0.1355
623.244	0.1463	624.293	0.1307	625.343	0.1697	626.392	0.1352
623.269	0.1462	624.318	0.1266	625.367	0.1738	626.417	0.1025
623.294	0.1342	624.343	0.1750	625.392	0.1861	626.442	0.1059
623.319	0.1342	624.368	0.1750	625.417	0.1861	626.467	0.1051



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
626.492	0.0843	627.541	0.0963	628.591	0.1013	629.640	0.1278
626.517	0.0874	627.566	0.0995	628.616	0.1009	629.665	0.1231
626.542	0.1105	627.591	0.1229	628.641	0.0923	629.690	0.1143
626.567	0.1095	627.616	0.1180	628.666	0.0918	629.715	0.1139
626.592	0.1086	627.641	0.1211	628.691	0.0911	629.740	0.1134
626.617	0.0918	627.666	0.1366	628.716	0.1066	629.765	0.1131
626.642	0.0910	627.691	0.1358	628.741	0.1058	629.790	0.1128
626.667	0.1186	627.716	0.1310	628.766	0.1132	629.815	0.1209
626.692	0.1181	627.741	0.1304	628.791	0.1124	629.840	0.1208
626.717	0.1218	627.766	0.1297	628.815	0.1157	629.865	0.1126
626.742	0.1417	627.791	0.1332	628.841	0.1150	629.890	0.1127
626.767	0.1414	627.816	0.1366	628.866	0.1103	629.915	0.1169
626.792	0.1008	627.841	0.1036	628.891	0.1097	629.940	0.1129
626.817	0.1004	627.866	0.1029	628.916	0.1091	629.965	0.1129
626.842	0.1040	627.891	0.1062	628.940	0.1087	629.990	0.1211
626.867	0.1035	627.916	0.1136	628.965	0.1123	630.015	0.1210
626.892	0.1028	627.941	0.1089	628.990	0.1161	630.040	0.1208
626.917	0.1222	627.966	0.1002	629.015	0.0954	630.065	0.1205
626.942	0.1254	627.991	0.0996	629.040	0.0910	630.090	0.1202
626.967	0.1204	628.016	0.0991	629.065	0.1110	630.115	0.0912
626.992	0.1277	628.041	0.0987	629.090	0.1106	630.140	0.0908
627.017	0.1268	628.066	0.0984	629.115	0.1102	630.165	0.0903
627.042	0.1424	628.091	0.1225	629.140	0.1057	630.190	0.0939
627.066	0.1378	628.116	0.1223	629.165	0.1053	630.215	0.0934
627.092	0.1537	628.141	0.1425	629.190	0.0886	630.240	0.1093
627.117	0.1536	628.166	0.1424	629.215	0.0882	630.265	0.1089
627.141	0.1536	628.191	0.1423	629.240	0.0918	630.290	0.1085
627.167	0.1538	628.216	0.1217	629.265	0.0954	630.315	0.0917
627.191	0.1542	628.241	0.1215	629.290	0.0949	630.340	0.0913
627.216	0.1547	628.266	0.1252	629.315	0.1230	630.365	0.0746
627.241	0.1554	628.291	0.1249	629.340	0.1225	630.390	0.0740
627.266	0.1561	628.316	0.1326	629.365	0.1221	630.415	0.0451
627.291	0.1364	628.341	0.0957	629.390	0.1053	630.440	0.0444
627.316	0.1371	628.366	0.0954	629.415	0.1088	630.465	0.0436
627.341	0.1054	628.391	0.0950	629.440	0.1205	630.490	0.1035
627.366	0.1059	628.416	0.0947	629.465	0.1199	630.515	0.1026
627.391	0.1062	628.441	0.0945	629.490	0.1193	630.540	0.1017
627.416	0.1145	628.466	0.1064	629.515	0.1269	630.565	0.1008
627.441	0.1144	628.491	0.1022	629.540	0.1262	630.590	0.1001
627.466	0.1263	628.516	0.0939	629.565	0.0970	630.615	0.0953
627.491	0.1218	628.541	0.1059	629.590	0.0964	630.640	0.0988
627.516	0.1253	628.566	0.0935	629.615	0.1243	630.665	0.0821



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
630.690	0.0818	631.739	0.0780	632.788	0.0511	633.838	0.0476
630.714	0.0857	631.764	0.0776	632.813	0.0516	633.863	0.0512
630.740	0.0776	631.789	0.0608	632.838	0.0561	633.888	0.0468
630.764	0.0777	631.814	0.0603	632.863	0.0524	633.913	0.0465
630.789	0.0697	631.839	0.0884	632.888	0.0405	633.938	0.0546
630.814	0.0700	631.864	0.0879	632.913	0.0406	633.963	0.0545
630.839	0.0702	631.889	0.0875	632.938	0.0487	633.988	0.0463
630.864	0.0989	631.914	0.0872	632.963	0.0485	634.013	0.0463
630.889	0.0990	631.939	0.0868	632.988	0.0480	634.038	0.0463
630.914	0.0666	631.964	0.0417	633.013	0.0150	634.063	0.0462
630.939	0.0625	631.989	0.0413	633.038	0.0142	634.088	0.0461
630.964	0.0663	632.014	0.0409	633.063	0.0292	634.113	0.0459
630.989	0.0620	632.039	0.0647	633.088	0.0280	634.138	0.0455
631.014	0.0615	632.064	0.0641	633.113	0.0267	634.163	0.0451
631.039	0.0772	632.089	0.0838	633.138	0.0293	634.188	0.0610
631.064	0.0766	632.114	0.0831	633.163	0.0280	634.213	0.0563
631.089	0.0760	632.139	0.0621	633.188	-0.0015	634.238	0.0598
631.114	0.0673	632.164	0.0614	633.213	0.0012	634.263	0.0550
631.139	0.0667	632.189	0.0607	633.238	0.0002	634.287	0.0543
631.164	0.0744	632.214	0.0601	633.263	0.0235	634.312	0.0783
631.189	0.0740	632.239	0.0595	633.288	0.0268	634.337	0.0776
631.214	0.0616	632.264	0.0346	633.313	0.0548	634.362	0.0769
631.239	0.0574	632.289	0.0340	633.338	0.0544	634.387	0.0762
631.264	0.0614	632.314	0.0334	633.363	0.0583	634.412	0.0756
631.289	0.0655	632.339	0.0449	633.388	0.0337	634.437	0.0586
631.314	0.0655	632.364	0.0443	633.413	0.0336	634.462	0.0622
631.339	0.0736	632.389	0.0761	633.438	0.0540	634.487	0.0454
631.364	0.0735	632.414	0.0754	633.463	0.0540	634.512	0.0450
631.389	0.0733	632.439	0.0745	633.488	0.0539	634.537	0.0487
631.414	0.0812	632.464	0.0573	633.513	0.0539	634.562	0.0483
631.439	0.0768	632.489	0.0604	633.538	0.0538	634.587	0.0520
631.464	0.0928	632.513	0.0391	633.563	0.0373	634.612	0.0516
631.489	0.0925	632.538	0.0381	633.588	0.0411	634.637	0.0511
631.514	0.0923	632.563	0.0330	633.613	0.0367	634.662	0.0588
631.539	0.0920	632.588	0.0321	633.638	0.0525	634.687	0.0582
631.564	0.0919	632.613	0.0353	633.663	0.0561	634.712	0.0576
631.589	0.0876	632.638	0.0347	633.688	0.0677	634.737	0.0569
631.614	0.0916	632.663	0.0343	633.713	0.0671	634.762	0.0562
631.639	0.0914	632.688	0.0340	633.738	0.0500	634.787	0.0391
631.664	0.0668	632.713	0.0300	633.763	0.0493	634.812	0.0384
631.689	0.0706	632.738	0.0301	633.788	0.0487	634.837	0.0377
631.714	0.0784	632.763	0.0507	633.813	0.0440	634.862	0.0494



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
634.887	0.0529	635.936	0.0378	636.986	0.0284	638.035	0.0288
634.912	0.0277	635.961	0.0453	637.011	0.0239	638.060	0.0364
634.937	0.0271	635.987	0.0446	637.036	0.0237	638.085	0.0356
634.962	0.0307	636.011	0.0439	637.061	0.0152	638.110	0.0266
634.987	0.0262	636.036	0.0226	637.086	0.0109	638.135	0.0259
635.012	0.0258	636.061	0.0218	637.111	0.0149	638.160	0.0253
635.037	0.0338	636.086	0.0334	637.136	0.0312	638.185	0.0413
635.062	0.0377	636.111	0.0285	637.161	0.0270	638.210	0.0408
635.087	0.0335	636.136	0.0318	637.186	0.0352	638.235	0.0404
635.112	0.0131	636.161	0.0393	637.211	0.0351	638.260	0.0401
635.137	0.0132	636.186	0.0386	637.236	0.0351	638.285	0.0398
635.162	0.0133	636.211	0.0215	637.261	0.0226	638.310	0.0230
635.187	0.0134	636.236	0.0209	637.286	0.0225	638.335	0.0227
635.212	0.0136	636.261	0.0368	637.311	0.0389	638.360	0.0225
635.237	0.0505	636.286	0.0362	637.336	0.0429	638.385	0.0222
635.262	0.0506	636.311	0.0358	637.361	0.0427	638.410	0.0220
635.287	0.0506	636.336	0.0477	637.386	0.0425	638.435	0.0134
635.312	0.0505	636.361	0.0473	637.411	0.0423	638.460	0.0131
635.337	0.0504	636.386	0.0345	637.436	0.0255	638.485	0.0128
635.362	0.0379	636.411	0.0258	637.461	0.0252	638.510	0.0125
635.387	0.0377	636.436	0.0254	637.486	0.0372	638.535	0.0123
635.412	0.0623	636.461	0.0373	637.511	0.0493	638.560	0.0204
635.437	0.0621	636.486	0.0368	637.536	0.0488	638.585	0.0202
635.462	0.0373	636.511	0.0445	637.561	0.0234	638.610	0.0200
635.487	0.0413	636.536	0.0439	637.586	0.0229	638.635	0.0199
635.512	0.0412	636.561	0.0433	637.611	0.0223	638.660	0.0197
635.537	0.0370	636.586	0.0302	637.636	0.0176	638.685	0.0029
635.562	0.0369	636.611	0.0296	637.661	0.0170	638.710	0.0026
635.587	0.0655	636.636	0.0289	637.685	0.0247	638.735	0.0271
635.612	0.0610	636.661	0.0283	637.711	0.0200	638.760	0.0267
635.637	0.0605	636.686	0.0278	637.735	0.0194	638.785	0.0180
635.662	0.0558	636.711	-0.0054	637.760	0.0148	638.810	0.0175
635.687	0.0550	636.736	-0.0057	637.786	0.0143	638.835	0.0171
635.712	0.0542	636.761	0.0061	637.810	0.0261	638.860	0.0332
635.737	0.0532	636.786	0.0100	637.835	0.0256	638.885	0.0328
635.762	0.0522	636.811	0.0097	637.860	0.0500	638.910	0.0407
635.787	0.0430	636.836	0.0177	637.885	0.0453	638.935	0.0402
635.812	0.0461	636.861	0.0175	637.910	0.0405	638.960	0.0355
635.837	0.0287	636.886	0.0008	637.935	0.0316	638.985	0.0225
635.862	0.0278	636.911	0.0005	637.960	0.0309	639.010	0.0219
635.887	0.0311	636.936	0.0002	637.985	0.0303	639.035	0.0129
635.911	0.0385	636.961	0.0287	638.010	0.0295	639.060	0.0123



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
639.085	0.0116	640.134	0.0065	641.184	0.0688	642.233	0.0783
639.110	0.0358	640.159	0.0184	641.209	0.0686	642.258	0.0778
639.135	0.0350	640.184	0.0177	641.234	0.0684	642.283	0.0773
639.160	0.0092	640.209	0.0045	641.258	0.0512	642.308	0.0682
639.185	0.0084	640.234	-0.0001	641.284	0.0511	642.333	0.0677
639.210	0.0076	640.259	0.0035	641.309	0.0340	642.358	0.0801
639.235	0.0317	640.284	0.0450	641.333	0.0381	642.383	0.0840
639.260	0.0309	640.309	0.0448	641.359	0.0336	642.408	0.0837
639.285	0.0217	640.334	0.0657	641.383	0.0504	642.433	0.1138
639.310	0.0208	640.359	0.0656	641.408	0.0501	642.458	0.1137
639.335	0.0158	640.384	-0.0017	641.433	0.0583	642.483	0.1137
639.360	0.0025	640.409	0.0021	641.458	0.0580	642.508	0.1182
639.385	0.0017	640.434	0.0019	641.483	0.0576	642.533	0.1140
639.410	0.0177	640.459	0.0181	641.508	0.0360	642.558	0.0968
639.435	0.0129	640.484	0.0176	641.533	0.0357	642.583	0.0969
639.460	0.0166	640.509	0.0294	641.558	0.0395	642.608	0.1055
639.484	-0.0087	640.534	0.0285	641.583	0.0391	642.633	0.1054
639.509	-0.0089	640.559	0.0276	641.608	0.0430	642.658	0.1052
639.535	-0.0091	640.584	0.0265	641.633	0.0384	642.683	0.0831
639.559	-0.0093	640.609	0.0254	641.658	0.0380	642.708	0.0826
639.584	0.0155	640.634	0.0286	641.683	0.0376	642.733	0.0476
639.609	0.0154	640.659	0.0317	641.708	0.0372	642.758	0.0512
639.634	0.0153	640.684	0.0308	641.733	0.0410	642.783	0.0461
639.659	0.0234	640.709	0.0215	641.758	0.0448	642.808	0.0711
639.684	0.0189	640.734	0.0207	641.783	0.0443	642.833	0.0703
639.709	-0.0022	640.759	0.0326	641.808	0.0523	642.858	0.0609
639.734	-0.0028	640.784	0.0362	641.833	0.0517	642.883	0.0602
639.759	-0.0034	640.809	0.0357	641.858	0.0510	642.908	0.0466
639.784	0.0042	640.834	0.0564	641.883	0.0589	642.933	0.0416
639.809	0.0118	640.859	0.0559	641.908	0.0667	642.958	0.0451
639.834	0.0112	640.884	0.0343	641.933	0.0745	642.983	0.0745
639.859	0.0106	640.909	0.0339	641.958	0.0694	643.008	0.0738
639.884	0.0060	640.934	0.0292	641.983	0.0685	643.033	0.0645
639.909	0.0181	640.959	0.0373	642.008	0.0548	643.058	0.0638
639.934	0.0178	640.984	0.0370	642.033	0.0625	643.083	0.0631
639.959	0.0469	641.009	0.0536	642.058	0.0745	643.108	0.0711
639.984	0.0467	641.034	0.0533	642.083	0.0737	643.133	0.0704
640.009	0.0465	641.059	0.0530	642.108	0.0729	643.157	0.0397
640.034	0.0377	641.084	0.0612	642.133	0.0722	643.182	0.0348
640.059	0.0374	641.109	0.0610	642.158	0.0672	643.207	0.0342
640.084	0.0076	641.134	0.0692	642.183	0.0580	643.232	0.0337
640.109	0.0071	641.159	0.0690	642.208	0.0575	643.257	0.0331



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
643.282	0.0454	644.332	0.0261	645.381	0.0546	646.431	0.0537
643.307	0.0406	644.357	0.0264	645.406	0.0541	646.456	0.0529
643.332	0.0401	644.382	0.0266	645.431	0.0147	646.481	0.0653
643.357	0.0568	644.407	0.0095	645.456	0.0143	646.506	0.0647
643.382	0.0521	644.432	0.0092	645.481	0.0139	646.531	0.0641
643.407	0.0475	644.457	0.0302	645.506	0.0049	646.555	0.0460
643.432	0.0472	644.482	0.0297	645.531	0.0045	646.581	0.0412
643.457	0.0471	644.507	0.0290	645.556	0.0342	646.605	0.0582
643.482	0.0298	644.532	0.0282	645.581	0.0336	646.630	0.0533
643.507	0.0340	644.557	0.0274	645.606	0.0330	646.656	0.0571
643.532	0.0554	644.582	0.0179	645.631	0.0453	646.680	0.0874
643.557	0.0553	644.607	0.0212	645.656	0.0401	646.705	0.0867
643.582	0.0553	644.632	0.0031	645.681	0.0262	646.730	0.0772
643.607	0.0552	644.657	0.0021	645.706	0.0253	646.755	0.0764
643.632	0.0551	644.682	0.0010	645.731	0.0243	646.780	0.0755
643.657	0.0549	644.707–9e-05		645.756	0.0233	646.805	0.1012
643.682	0.0547	644.732	-0.0011	645.781	0.0224	646.830	0.1004
643.707	0.0373	644.757	0.0062	645.806	0.0130	646.855	0.1397
643.732	0.0413	644.782	0.0052	645.831	0.0123	646.880	0.1388
643.757	0.0367	644.807	0.0043	645.856	0.0118	646.905	0.1379
643.782	0.0448	644.832	0.0205	645.881	0.0200	646.930	0.1058
643.807	0.0486	644.857	0.0197	645.906	0.0198	646.955	0.1048
643.832	0.0437	644.882	0.0018	645.931	0.0283	646.980	0.1083
643.857	0.0429	644.906	0.0010	645.956	0.0241	647.005	0.1073
643.882	0.0420	644.931	-0.0039	645.981	0.0242	647.030	0.1242
643.907	0.0281	644.956	0.0080	646.006	0.0244	647.055	0.1231
643.932	0.0271	644.981	0.0072	646.031	0.0290	647.080	0.1221
643.957	0.0302	645.006	0.0364	646.056	0.0120	647.105	0.0899
643.982	0.0249	645.031	0.0354	646.081	0.0123	647.130	0.0890
644.007	0.0281	645.056	0.0345	646.106	0.0125	647.155	0.1195
644.032	0.0230	645.081	0.0249	646.131	0.0343	647.180	0.1188
644.057	0.0223	645.106	0.0239	646.156	0.0344	647.205	0.1183
644.082	0.0304	645.131	0.0315	646.181	0.0256	647.230	0.1001
644.107	0.0345	645.156	0.0262	646.206	0.0298	647.255	0.0999
644.132	0.0302	645.181	0.0296	646.231	0.0512	647.280	0.0776
644.157	0.0262	645.206	0.0287	646.256	0.0507	647.305	0.0821
644.182	0.0266	645.231	0.0279	646.281	0.0501	647.330	0.0779
644.207	0.0358	645.256	0.0100	646.306	0.0668	647.355	0.0693
644.232	0.0364	645.281	0.0179	646.331	0.0616	647.380	0.0697
644.257	0.0372	645.306	0.0087	646.356	0.0477	647.405	0.0700
644.282	0.0464	645.331	0.0383	646.381	0.0468	647.430	0.0703
644.307	0.0470	645.356	0.0377	646.406	0.0459	647.455	0.0706



Table 2. Low Resolution Absorption Cross Section from 450–650 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
647.480	0.0708	648.130	0.0622	648.779	-0.0552	649.429	-0.0336
647.505	0.0710	648.155	0.0263	648.804	-0.0558	649.454	-0.0516
647.530	0.0888	648.180	0.0258	648.829	-0.0349	649.479	-0.0521
647.555	0.0887	648.205	0.0211	648.854	-0.0355	649.504	-0.0439
647.580	0.0886	648.230	0.0208	648.879	-0.0360	649.529	-0.0443
647.605	0.0795	648.255	0.0206	648.904	-0.0322	649.554	-0.0445
647.630	0.0747	648.280	0.0691	648.929	-0.0371	649.579	-0.0447
647.655	0.0743	648.305	0.0646	648.954	-0.0420	649.604	-0.0448
647.680	0.0782	648.330	0.0426	648.979	-0.0427	649.629	-0.0186
647.705	0.0776	648.354	0.0425	649.004	-0.0086	649.654	-0.0186
647.730	0.0946	648.379	0.0424	649.029	-0.0137	649.679	-0.0533
647.755	0.0939	648.404	0.0028	649.054	-0.0144	649.704	-0.0532
647.780	0.0753	648.429	0.0025	649.079	-0.0456	649.729	-0.0402
647.805	0.0743	648.454	0.0195	649.104	-0.0463	649.754	-0.0273
647.830	0.0778	648.479	0.0190	649.129	-0.0470	649.779	-0.0275
647.855	0.0812	648.504	0.0139	649.154	-0.0477	649.804	-0.0235
647.880	0.0757	648.529	0.0089	649.179	-0.0483	649.829	-0.0241
647.905	0.0746	648.554	0.0081	649.204	-0.0359	649.854	-0.0292
647.930	0.0736	648.579	-0.0014	649.229	-0.0365	649.879	-0.0301
647.955	0.0681	648.604	-0.0022	649.254	-0.0588	649.904	-0.0310
647.980	0.0671	648.629	-0.0030	649.279	-0.0595	649.929	-0.0321
648.005	0.0618	648.654	-0.0125	649.304	-0.0602	649.954	-0.0330
648.030	0.0565	648.679	-0.0133	649.329	-0.0480	649.979	-0.0339
648.055	0.0556	648.704	-0.0444	649.354	-0.0487	650.004	-0.0520
648.080	0.0637	648.729	-0.0495	649.379	-0.0321	650.029	-0.0524
648.105	0.0629	648.754	-0.0545	649.404	-0.0329	650.054	-0.0395



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
450.192	4.0251	451.24	4.0407	452.29	3.6581	453.340	3.7741
450.217	4.0253	451.266	4.0795	452.316	3.7974	453.365	3.7763
450.242	3.9884	451.29	3.9341	452.34	3.6980	453.390	3.7785
450.267	3.9891	451.316	3.9360	452.366	3.7012	453.415	3.7808
450.292	4.0654	451.34	3.9379	452.39	3.7725	453.440	3.8515
450.317	4.1046	451.366	4.0129	452.416	3.7756	453.465	3.8198
450.342	4.0299	451.39	4.0151	452.44	3.7444	453.490	3.8567
450.367	4.0691	451.416	3.9445	452.466	3.7814	453.515	3.7915
450.392	4.0705	451.44	3.9468	452.49	3.7840	453.540	3.7946
450.417	4.0720	451.466	3.8065	452.516	3.8906	453.565	3.8663
450.442	4.0736	451.49	3.8087	452.54	3.8930	453.590	3.8358
450.467	4.1134	451.516	3.8108	452.566	3.8952	453.615	3.8741
450.492	3.9277	451.54	3.8834	452.59	3.8972	453.640	3.8102
450.517	3.9297	451.566	3.9211	452.615	3.8992	453.665	3.8147
450.542	3.9318	451.59	3.7124	452.64	3.8661	453.690	3.7520
450.567	4.0082	451.616	3.7143	452.665	3.8680	453.715	3.7565
450.592	4.0106	451.64	3.6821	452.690	3.8352	453.740	3.7608
450.617	4.0508	451.666	3.7183	452.715	3.8371	453.765	3.6985
450.642	4.0914	451.69	3.7204	452.740	3.8390	453.790	3.7022
450.667	3.9450	451.716	3.8619	452.765	3.8757	453.815	3.6079
450.692	3.9480	451.74	3.8290	452.790	3.8430	453.840	3.5787
450.717	3.9512	451.766	3.8312	452.815	3.8798	453.865	3.6134
450.742	3.9912	451.79	3.8334	452.840	3.9170	453.890	3.6156
450.767	4.1069	451.816	3.8353	452.865	3.9191	453.915	3.6175
450.792	4.1481	451.84	3.9076	452.890	3.7829	453.940	3.6192
450.816	4.1511	451.866	3.9447	452.915	3.8193	453.965	3.6208
450.84	4.1925	451.89	3.9458	452.940	3.8213	453.990	3.6546
450.866	4.0434	451.916	3.9108	452.965	3.7889	454.015	3.6885
450.89	4.0090	451.94	3.9471	452.990	3.8248	454.040	3.6899
450.916	3.9749	451.966	3.9476	453.015	3.6248	454.065	3.6912
450.94	3.9776	451.99	3.9480	453.040	3.6261	454.090	3.6599
450.966	3.9803	452.016	3.9128	453.065	3.6272	454.115	3.5967
450.99	3.9830	452.04	3.9493	453.090	3.6282	454.140	3.5978
451.016	3.9856	452.066	3.9503	453.115	3.6290	454.165	3.5988
451.04	4.0623	452.09	3.9876	453.140	3.6960	454.190	3.6319
451.066	4.0647	452.116	3.9892	453.165	3.6969	454.215	3.6329
451.09	4.0670	452.14	3.8485	453.190	3.6646	454.240	3.6020
451.116	3.9950	452.166	3.8506	453.215	3.5999	454.265	3.6033
451.14	3.9970	452.19	3.8529	453.240	3.6339	454.290	3.6048
451.166	4.0357	452.216	3.7858	453.265	3.7687	454.315	3.6065
451.19	4.0746	452.24	3.7885	453.290	3.7703	454.339	3.6086
451.216	4.0763	452.266	3.7569	453.315	3.7722	454.364	3.6108



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
454.389	3.6455	455.439	3.8862	456.488	3.8227	457.538	3.9650
454.414	3.6482	455.464	3.8885	456.513	3.7916	457.563	3.9329
454.439	3.6510	455.489	3.8908	456.538	3.7927	457.588	3.9662
454.464	3.6539	455.514	3.8931	456.563	3.7939	457.613	3.9343
454.489	3.6569	455.539	3.9967	456.588	3.6376	457.638	4.0008
454.514	3.6278	455.564	3.9990	456.613	3.6390	457.663	4.0020
454.539	3.6627	455.589	3.8335	456.638	3.5484	457.688	3.9379
454.564	3.7632	455.614	3.8356	456.663	3.5499	457.713	3.9722
454.589	3.7658	455.639	3.8049	456.688	3.5515	457.738	3.9414
454.614	3.9700	455.664	3.8068	456.713	3.4927	457.763	3.9109
454.639	3.9722	455.689	3.8086	456.738	3.4644	457.788	3.9128
454.664	3.9399	455.714	3.7777	456.763	3.5562	457.813	3.9799
454.689	3.9077	455.739	3.8119	456.788	3.5578	457.837	3.9818
454.714	3.9093	455.764	3.8135	456.813	3.5594	457.862	3.9836
454.739	4.0137	455.789	3.8151	456.838	3.5006	457.887	4.0183
454.764	4.0499	455.814	3.8169	456.863	3.5023	457.912	4.0199
454.789	3.9137	455.839	3.7216	456.888	3.3858	457.937	3.9886
454.814	3.9150	455.864	3.7237	456.913	3.3877	457.962	3.9576
454.839	3.9163	455.889	3.7259	456.938	3.3898	457.987	3.9920
454.864	3.9857	455.914	3.9247	456.963	3.5104	458.012	3.9939
454.889	3.9867	455.939	3.8609	456.988	3.5130	458.037	3.9961
454.914	3.9533	455.964	3.8637	457.013	3.5760	458.062	4.0315
454.939	4.0575	455.989	3.8665	457.038	3.5789	458.087	4.0343
454.964	3.9888	456.014	3.8694	457.063	3.5818	458.112	4.1040
454.989	3.9209	456.039	3.8069	457.088	3.5848	458.137	4.1075
455.014	3.9213	456.064	3.9084	457.113	3.5877	458.162	4.1113
455.039	3.9217	456.089	3.9447	457.138	3.5906	458.187	3.9832
455.064	3.9222	456.113	3.9479	457.163	3.5933	458.212	3.9873
455.089	3.9229	456.138	3.9510	457.188	3.5958	458.237	3.8315
455.114	4.0965	456.163	3.9543	457.213	3.5983	458.262	3.8356
455.139	4.0626	456.188	3.8913	457.238	3.6006	458.287	3.8394
455.164	4.0640	456.213	3.8947	457.263	3.6028	458.312	3.8118
455.189	4.0310	456.238	3.8981	457.288	3.6050	458.337	3.8465
455.214	4.0330	456.263	3.9015	457.313	3.6991	458.362	3.8495
455.239	4.0008	456.288	3.8719	457.338	3.7010	458.387	3.9476
455.264	4.0034	456.313	3.8422	457.363	3.7029	458.412	3.8547
455.289	3.9377	456.338	3.8776	457.388	3.7669	458.437	3.9522
455.314	3.9405	456.363	3.8800	457.413	3.7683	458.462	3.9541
455.339	3.9432	456.388	3.8170	457.438	3.9620	458.487	3.9880
455.364	3.8786	456.413	3.7866	457.463	3.9630	458.512	3.9896
455.389	3.8812	456.438	3.8202	457.488	3.9638	458.537	3.9911
455.414	3.8837	456.463	3.8215	457.513	3.9318	458.562	4.0249



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
458.587	4.0263	459.637	3.8157	460.686	4.0233	461.735	3.7190
458.612	4.0277	459.66	3.6086	460.71	3.8690	461.760	3.6627
458.637	4.0619	459.686	3.6112	460.736	3.8696	461.785	3.6640
458.662	4.0634	459.71	3.8235	460.76	3.8702	461.810	3.6369
458.687	3.9998	459.736	3.8261	460.786	3.8711	461.835	3.6101
458.712	4.0015	459.76	3.8287	460.81	3.8722	461.860	3.6401
458.737	3.8756	459.786	3.7402	460.836	3.8130	461.885	3.6420
458.762	3.8775	459.81	3.7429	460.86	3.8148	461.910	3.6439
458.787	3.8794	459.836	3.5978	460.886	3.8775	461.935	3.6459
458.812	3.9767	459.86	3.6591	460.91	3.8799	461.960	3.6481
458.837	3.9787	459.886	3.6325	460.936	3.8826	461.985	3.6502
458.862	3.9808	459.91	3.5770	460.96	3.8855	462.010	3.5958
458.887	3.9828	459.936	3.5796	460.986	3.8885	462.035	3.5979
458.912	3.9849	459.96	3.7291	461.01	3.7121	462.060	3.5440
458.937	3.9869	459.986	3.8218	461.036	3.7152	462.085	3.5458
458.962	3.9889	460.01	3.7634	461.06	3.7182	462.110	3.5474
458.987	3.7713	460.036	3.8257	461.086	3.6629	462.135	3.6047
459.012	3.7733	460.06	3.8273	461.11	3.6657	462.160	3.5501
459.037	3.7446	460.086	3.6494	461.136	3.6684	462.185	3.5512
459.062	3.7465	460.11	3.6505	461.16	3.6710	462.210	3.5521
459.087	3.7483	460.136	3.6515	461.186	3.6735	462.235	3.5530
459.112	3.5128	460.16	3.8316	461.21	3.8530	462.260	3.5818
459.137	3.5144	460.186	3.8324	461.236	3.8553	462.285	3.5272
459.162	3.5159	460.21	3.8332	461.26	3.9182	462.310	3.5283
459.187	3.5173	460.236	3.8339	461.286	3.9204	462.335	3.5021
459.212	3.5186	460.26	3.8347	461.31	3.9227	462.360	3.5312
459.237	3.4910	460.286	3.8661	461.335	3.8644	462.385	3.5054
459.262	3.4634	460.31	3.8671	461.360	3.8366	462.410	3.5349
459.287	3.5801	460.336	3.8378	461.385	3.8690	462.435	3.5096
459.312	3.6104	460.36	3.8394	461.410	3.8714	462.460	3.4574
459.337	3.5821	460.386	3.8413	461.435	3.7549	462.485	3.5696
459.362	3.5832	460.41	3.8742	461.460	3.7574	462.510	3.5444
459.387	3.5844	460.436	3.8768	461.485	3.7598	462.535	3.5746
459.412	3.5277	460.46	3.9414	461.510	3.7621	462.560	3.5770
459.437	3.5293	460.486	3.9756	461.535	3.7644	462.585	3.5793
459.462	3.5601	460.51	3.9475	461.560	3.7082	462.610	3.5815
459.487	3.5913	460.536	4.0130	461.585	3.7392	462.635	3.5836
459.512	3.5935	460.56	4.0157	461.610	3.7119	462.660	3.5856
459.537	3.7749	460.586	4.0180	461.635	3.7136	462.685	3.7285
459.562	3.7774	460.61	4.0199	461.660	3.7150	462.710	3.7303
459.587	3.7800	460.636	4.0214	461.685	3.7164	462.735	3.7897
459.61	3.8131	460.66	4.0225	461.710	3.7177	462.760	3.8205



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
462.785	3.7930	463.834	3.9139	464.883	3.3398	465.933	3.0136
462.810	3.6799	463.859	3.9437	464.908	3.3415	465.958	3.0149
462.835	3.7097	463.884	3.9147	464.933	3.3687	465.983	3.0400
462.860	4.1279	463.909	3.7992	464.958	3.3962	466.008	3.1131
462.885	4.1291	463.934	3.8001	464.983	3.3979	466.033	3.1150
462.910	4.1302	463.959	3.8012	465.008	3.5042	466.058	3.1653
462.935	4.1940	463.984	3.8314	465.033	3.4535	466.083	3.1433
462.960	4.1951	464.009	3.8042	465.058	3.5080	466.108	3.1456
462.985	4.2920	464.034	3.9517	465.083	3.5101	466.133	3.1963
463.010	4.2932	464.059	3.9241	465.108	3.4596	466.158	3.1986
463.035	4.3268	464.084	3.7531	465.133	3.5143	466.183	3.1764
463.060	4.3282	464.109	3.7838	465.158	3.5164	466.208	3.1786
463.085	4.3297	464.134	3.7862	465.183	3.4660	466.233	3.1565
463.110	4.2989	464.159	3.7320	465.208	3.5207	466.258	3.1826
463.135	4.3005	464.184	3.7345	465.233	3.5228	466.283	3.1846
463.159	4.1438	464.209	3.6533	465.258	3.3690	466.308	3.1867
463.184	4.1457	464.234	3.6558	465.283	3.3711	466.333	3.1887
463.209	4.1478	464.259	3.6306	465.308	3.3730	466.358	3.2152
463.234	4.0881	464.284	3.5242	465.333	3.4263	466.383	3.2174
463.259	4.0904	464.309	3.5264	465.358	3.4281	466.408	3.2197
463.284	4.1548	464.334	3.5284	465.383	3.3785	466.433	3.3205
463.309	4.1574	464.359	3.6115	465.408	3.3801	466.458	3.3228
463.334	4.1601	464.384	3.5590	465.433	3.4072	466.483	3.3251
463.359	4.1629	464.409	3.5878	465.458	3.3069	466.508	3.3272
463.384	4.1656	464.434	3.6442	465.483	3.3081	466.533	3.3292
463.409	4.1683	464.459	3.5373	465.508	3.2593	466.558	3.3309
463.434	4.1709	464.484	3.5391	465.533	3.2604	466.583	3.3323
463.459	4.1734	464.509	3.5410	465.558	3.1387	466.608	3.4086
463.484	4.1757	464.534	3.5700	465.583	3.1156	466.633	3.4345
463.509	4.1778	464.559	3.4918	465.608	3.1408	466.658	3.4348
463.534	4.2424	464.584	3.5745	465.633	3.1420	466.682	3.4347
463.559	4.2440	464.609	3.5499	465.658	3.1431	466.707	3.4344
463.584	4.2453	464.634	3.5524	465.683	3.0485	466.732	3.5368
463.609	4.1836	464.659	3.5016	465.708	3.0498	466.757	3.5364
463.634	4.1844	464.684	3.5308	465.733	3.0512	466.782	3.5362
463.659	4.1231	464.709	3.4803	465.758	3.1002	466.807	3.5103
463.684	4.1235	464.734	3.4829	465.783	3.1015	466.832	3.6154
463.709	4.1238	464.759	3.4854	465.808	3.0550	466.857	3.4601
463.734	4.0933	464.784	3.4877	465.833	3.0562	466.882	3.4614
463.759	4.0934	464.809	3.4899	465.858	3.0573	466.907	3.4886
463.784	3.9136	464.833	3.4919	465.883	3.0822	466.932	3.5164
463.809	3.9137	464.858	3.4938	465.908	3.0833	466.957	3.5186



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
466.982	3.6256	468.032	3.5875	469.08	3.3162	470.13	3.1893
467.007	3.6281	468.057	3.5888	469.106	3.2948	470.155	3.1898
467.032	3.6305	468.082	3.4878	469.13	3.2263	470.180	3.2367
467.057	3.6330	468.107	3.4893	469.156	3.2289	470.205	3.1907
467.082	3.6354	468.132	3.4907	469.18	3.2314	470.230	3.1911
467.107	3.5590	468.157	3.5431	469.206	3.3773	470.255	3.1227
467.132	3.5874	468.182	3.5703	469.23	3.3795	470.280	3.1232
467.157	3.5376	468.207	3.3700	469.256	3.3091	470.305	3.1238
467.182	3.5399	468.232	3.3715	469.28	3.3349	470.330	3.1245
467.207	3.5682	468.257	3.3729	469.306	3.3365	470.355	3.1027
467.232	3.4933	468.282	3.3252	469.33	3.2902	470.380	3.1265
467.257	3.4958	468.307	3.3267	469.356	3.2916	470.405	3.1278
467.282	3.4730	468.332	3.3281	469.38	3.2930	470.430	3.3630
467.307	3.4505	468.356	3.3295	469.406	3.2945	470.455	3.2699
467.332	3.4787	468.382	3.3309	469.43	3.2960	470.480	3.3190
467.357	3.4816	468.406	3.1881	469.456	3.3456	470.505	3.3449
467.382	3.4844	468.43	3.1895	469.48	3.3233	470.530	3.3233
467.407	3.4872	468.456	3.1673	469.506	3.3013	470.555	3.3019
467.432	3.4897	468.48	3.1453	469.53	3.3033	470.580	3.3042
467.457	3.4666	468.506	3.1702	469.556	3.3052	470.605	3.2595
467.482	3.4435	468.53	3.2910	469.58	3.2129	470.630	3.2617
467.507	3.4454	468.556	3.2208	469.606	3.2148	470.655	3.2640
467.532	3.4470	468.58	3.2703	469.63	3.1242	470.680	3.1508
467.557	3.4484	468.606	3.2722	469.656	3.1258	470.705	3.1529
467.582	3.4496	468.63	3.2501	469.68	3.1046	470.730	3.1549
467.607	3.5268	468.656	3.3978	469.706	3.1060	470.755	3.1569
467.632	3.5277	468.68	3.3265	469.73	3.1073	470.780	3.1589
467.657	3.5029	468.706	3.2803	469.756	3.1542	470.805	3.1607
467.682	3.5036	468.73	3.2825	469.78	3.1553	470.830	3.2315
467.707	3.5041	468.756	3.2848	469.806	3.0652	470.855	3.1191
467.732	3.4538	468.78	3.2632	469.83	3.0662	470.880	3.1209
467.757	3.4541	468.806	3.2417	469.856	3.0671	470.905	3.1226
467.782	3.4042	468.83	3.2442	469.88	3.0679	470.930	3.1245
467.807	3.4044	468.856	3.2466	469.906	3.0688	470.955	3.1263
467.832	3.4046	468.88	3.3210	469.93	3.1607	470.980	3.0388
467.857	3.5310	468.906	3.3476	469.956	3.1386	471.005	3.0408
467.882	3.5313	468.93	3.3500	469.98	3.1394	471.030	3.0428
467.907	3.5316	468.956	3.2800	470.006	3.2093	471.055	3.1119
467.932	3.5578	468.98	3.3063	470.03	3.2100	471.080	3.1140
467.957	3.5328	469.006	3.3087	470.056	3.2340	471.105	3.1386
467.982	3.5852	469.03	3.2872	470.08	3.2346	471.130	3.1405
468.007	3.5862	469.056	3.3136	470.106	3.2352	471.155	3.1423



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
471.180	3.1214	472.229	3.1934	473.279	3.2713	474.328	3.6480
471.205	3.1229	472.254	3.1956	473.304	3.2720	474.353	3.6249
471.230	3.0131	472.279	3.1978	473.329	3.2729	474.378	3.6018
471.255	3.0361	472.304	3.2000	473.354	3.2741	474.403	3.6026
471.280	3.0370	472.329	3.1353	473.379	3.2755	474.428	3.5086
471.305	3.0159	472.354	3.1375	473.404	3.2772	474.453	3.5093
471.330	3.0167	472.379	3.1395	473.429	3.2791	474.478	3.5101
471.355	3.0177	472.404	3.0973	473.454	3.3267	474.503	3.5109
471.380	3.0188	472.429	3.1211	473.479	3.3291	474.528	3.5118
471.405	3.0642	472.454	3.1226	473.504	3.4006	474.553	3.6316
471.430	3.1326	472.479	3.1020	473.529	3.4033	474.578	3.6328
471.455	3.0673	472.504	3.1033	473.554	3.4060	474.603	3.6582
471.480	3.1359	472.529	3.0607	473.579	3.3625	474.628	3.4701
471.505	3.1376	472.554	3.0617	473.604	3.3652	474.653	3.4716
471.530	3.0724	472.579	3.0628	473.629	3.5552	474.678	3.5434
471.555	3.0740	472.604	3.0638	473.654	3.5577	474.703	3.5688
471.580	3.0756	472.629	3.0648	473.678	3.5600	474.728	3.7149
471.605	3.0330	472.654	3.0442	473.703	3.5622	474.753	3.7167
471.630	3.0344	472.679	3.0671	473.728	3.5641	474.778	3.7185
471.655	3.1468	472.704	3.0684	473.753	3.6140	474.803	3.6476
471.680	3.1481	472.729	3.0698	473.778	3.6156	474.828	3.6735
471.705	3.1494	472.754	3.0713	473.803	3.5930	474.853	3.5324
471.730	3.1734	472.779	3.1166	473.828	3.5943	474.878	3.5343
471.755	3.1751	472.804	3.1402	473.853	3.5956	474.903	3.5362
471.780	3.1543	472.829	3.2311	473.878	3.7931	474.928	3.5382
471.805	3.1563	472.854	3.2328	473.903	3.7942	474.953	3.5402
471.829	3.1585	472.879	3.2345	473.928	3.8458	474.978	3.6371
471.854	3.2289	472.904	3.0812	473.953	3.8469	475.003	3.6154
471.879	3.2315	472.929	3.0829	473.978	3.8480	475.028	3.6414
471.904	3.2570	472.954	3.1282	474.003	3.6996	475.053	3.5487
471.929	3.2596	472.979	3.1518	474.028	3.7010	475.078	3.5742
471.954	3.2852	473.004	3.1311	474.053	3.6293	475.103	3.3912
471.979	3.2418	473.029	3.1324	474.078	3.6309	475.128	3.3929
472.004	3.2441	473.054	3.1335	474.103	3.6327	475.153	3.3946
472.029	3.2463	473.079	3.0689	474.128	3.7076	475.178	3.4647
472.054	3.2482	473.104	3.0696	474.153	3.7095	475.203	3.4663
472.079	3.2501	473.129	3.1356	474.178	3.7608	475.228	3.4448
472.104	3.1839	473.154	3.1359	474.203	3.7628	475.253	3.4463
472.129	3.1857	473.179	3.1362	474.228	3.7646	475.278	3.4022
472.154	3.1875	473.204	3.1364	474.253	3.6925	475.303	3.4037
472.179	3.1893	473.229	3.1808	474.278	3.6941	475.328	3.4052
472.204	3.1913	473.254	3.2708	474.303	3.6468	475.353	3.4522



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
475.378	3.4537	476.427	3.2940	477.476	3.1523	478.526	3.1269
475.403	3.4780	476.452	3.1888	477.50	3.1319	478.55	3.0873
475.428	3.5025	476.477	3.1918	477.526	3.1530	478.576	3.0887
475.452	3.4808	476.502	3.1950	477.55	3.0909	478.60	2.9104
475.477	3.4136	476.527	3.0928	477.576	3.0910	478.626	2.9119
475.502	3.4150	476.552	3.0960	477.60	3.1119	478.65	2.9135
475.527	3.3938	476.577	3.2046	477.626	3.1748	478.676	3.0950
475.552	3.3952	476.602	3.2074	477.65	3.1965	478.70	3.0966
475.577	3.3967	476.627	3.3179	477.676	3.1553	478.726	3.1392
475.602	3.3311	476.652	3.3199	477.70	3.1984	478.75	3.1408
475.627	3.3327	476.677	3.3216	477.726	3.1577	478.776	3.1423
475.652	3.2246	476.702	3.2363	477.75	3.1593	478.80	3.1437
475.677	3.2264	476.727	3.2587	477.776	3.1610	478.826	3.1245
475.702	3.2282	476.752	3.1739	477.80	3.1838	478.85	3.0246
475.727	3.1228	476.777	3.1742	477.826	3.1857	478.876	3.0258
475.752	3.1248	476.802	3.1744	477.85	3.2087	478.90	3.0271
475.777	3.1481	476.827	3.1533	477.876	3.1270	478.926	2.9490
475.802	3.1503	476.852	3.1534	477.90	3.1288	478.95	2.9702
475.827	3.2386	476.877	3.1746	477.926	3.1306	478.975	3.1123
475.852	3.2408	476.902	3.1749	477.95	3.1323	479.000	3.1141
475.877	3.2430	476.927	3.1753	477.976	3.1340	479.025	3.1159
475.902	3.2235	476.952	3.1338	478.00	3.2406	479.050	3.1588
475.927	3.2473	476.977	3.1348	478.026	3.2424	479.075	3.1608
475.952	3.3371	477.002	3.1570	478.05	3.2021	479.100	3.1218
475.977	3.3168	477.027	3.1585	478.076	3.2674	479.125	3.1236
476.002	3.3185	477.052	3.1602	478.10	3.2059	479.150	3.2075
476.027	3.2544	477.077	3.1202	478.126	3.1452	479.175	3.2089
476.052	3.2774	477.102	3.0807	478.15	3.1470	479.200	3.2100
476.077	3.0860	477.127	3.1245	478.176	3.0666	479.225	3.1286
476.102	3.1080	477.152	3.1269	478.20	3.0682	479.250	3.1293
476.127	3.1088	477.176	3.1293	478.226	3.0697	479.275	3.1707
476.152	3.2592	477.20	3.1317	478.25	3.1120	479.300	3.1711
476.177	3.2165	477.226	3.1342	478.276	3.1134	479.325	3.1510
476.202	3.3260	477.25	3.1367	478.30	3.0738	479.350	3.3182
476.227	3.3487	477.276	3.1183	478.326	3.0752	479.375	3.3189
476.252	3.3273	477.30	3.1416	478.35	2.9958	479.400	3.3198
476.277	3.2624	477.326	3.1439	478.376	2.9971	479.425	3.3210
476.302	3.2633	477.35	3.1460	478.40	2.9985	479.450	3.3437
476.327	3.2212	477.376	3.1478	478.426	2.9205	479.475	3.3242
476.352	3.2226	477.40	3.1494	478.45	2.9022	479.500	3.3261
476.377	3.2029	477.426	3.1507	478.476	3.1242	479.525	3.3280
476.402	3.2916	477.45	3.1516	478.50	3.1256	479.550	3.3300



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

479.575	3.3319	480.625	3.0094	481.674	2.9831	482.723	2.7224
479.600	3.3337	480.650	2.9140	481.699	2.9665	482.748	2.7236
479.625	3.3353	480.674	2.8970	481.724	2.9883	482.773	2.7068
479.650	3.2944	480.699	2.8612	481.749	3.0101	482.798	2.6544
479.675	3.2954	480.724	2.8638	481.774	3.0906	482.823	2.6555
479.700	3.2963	480.749	2.8665	481.799	2.9765	482.848	2.6212
479.725	3.3391	480.774	2.9460	481.824	2.9788	482.873	2.6398
479.750	3.3396	480.799	2.9487	481.849	2.9810	482.898	2.6232
479.775	3.3399	480.824	2.9129	481.874	2.9449	482.923	2.5542
479.800	3.3401	480.849	2.9153	481.899	2.9467	482.948	2.5726
479.825	3.3403	480.874	2.9176	481.924	2.9485	482.973	2.5562
479.850	3.3405	480.899	2.9196	481.949	2.9690	482.998	2.5746
479.875	3.3621	480.924	2.9215	481.974	2.9513	483.023	2.5757
479.900	3.2989	480.949	2.8284	481.999	2.8583	483.048	2.5077
479.925	3.2994	480.974	2.8301	482.024	2.8221	483.073	2.5089
479.950	3.2374	480.999	2.9266	482.049	2.8602	483.098	2.4760
479.975	3.2382	481.024	2.9284	482.074	2.8610	483.123	2.4774
480.000	3.2392	481.049	2.9303	482.099	2.8616	483.148	2.4788
480.025	3.1580	481.074	2.9707	482.124	2.8997	483.173	2.4804
480.050	3.1592	481.099	2.9727	482.149	2.9003	483.198	2.4820
480.075	3.0797	481.124	3.0135	482.174	2.8634	483.223	2.6222
480.100	3.0811	481.149	3.0153	482.199	2.8827	483.248	2.6416
480.125	3.0826	481.174	3.0170	482.224	2.8647	483.273	2.5735
480.150	3.0047	481.199	3.0183	482.249	2.8098	483.298	2.5755
480.175	3.0062	481.224	3.0194	482.274	2.8107	483.323	2.5950
480.200	3.0078	481.249	3.0592	482.299	2.7566	483.348	2.5797
480.225	3.0094	481.274	3.0596	482.324	2.7577	483.373	2.5819
480.250	3.0110	481.299	3.0597	482.349	2.7588	483.398	2.5325
480.275	3.0125	481.324	3.1390	482.374	2.7418	483.423	2.5349
480.300	3.0140	481.349	3.1190	482.399	2.7430	483.448	2.5374
480.325	2.9957	481.374	3.1590	482.424	2.7623	483.473	2.5400
480.350	2.9971	481.399	3.1593	482.448	2.7635	483.498	2.5425
480.375	2.9983	481.424	3.1599	482.473	2.7284	483.523	2.5107
480.400	3.0587	481.449	3.1009	482.498	2.7477	483.548	2.5129
480.425	3.0597	481.474	3.0824	482.523	2.7489	483.573	2.5149
480.450	3.0014	481.499	3.0642	482.548	2.7501	483.598	2.6026
480.475	3.0023	481.524	3.0661	482.573	2.7332	483.623	2.5522
480.500	3.0032	481.549	3.0290	482.598	2.7163	483.648	2.5533
480.525	3.0238	481.574	3.0705	482.623	2.7175	483.673	2.5541
480.550	3.0249	481.599	3.0729	482.648	2.7008	483.698	2.5549
480.575	3.0064	481.624	2.9973	482.673	2.7562	483.723	2.6422
480.600	3.0077	481.649	2.9999	482.698	2.7574	483.748	2.6604



Table 3. Low Resolution Absorption Cross Section from 450-650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
483.773	2.6087	484.822	2.6747	485.872	2.7133	486.92	2.6795
483.798	2.6095	484.847	2.6761	485.897	2.7151	486.946	2.6816
483.823	2.6105	484.872	2.6776	485.922	2.7694	486.97	2.7181
483.848	2.6115	484.897	2.7318	485.947	2.7533	486.996	2.7203
483.873	2.6127	484.922	2.7689	485.97	2.7723	487.02	2.6883
483.898	2.6140	484.947	2.7175	485.996	2.8265	487.046	2.6565
483.923	2.6153	484.972	2.7192	486.02	2.8273	487.07	2.6587
483.948	2.6167	484.997	2.6857	486.046	2.7747	487.096	2.6102
483.973	2.6355	485.022	2.6873	486.07	2.7750	487.12	2.5955
483.998	2.6368	485.047	2.6888	486.096	2.7752	487.146	2.5973
484.023	2.7799	485.072	2.6728	486.12	2.7930	487.17	2.6157
484.048	2.7812	485.097	2.6743	486.146	2.7755	487.196	2.6171
484.073	2.8006	485.122	2.7458	486.17	2.7583	487.22	2.5516
484.098	2.7659	485.147	2.7473	486.196	2.7588	487.246	2.5527
484.123	2.7671	485.172	2.7488	486.22	2.7713	487.27	2.5537
484.148	2.7326	485.197	2.7504	486.246	2.7961	487.296	2.6215
484.173	2.7337	485.222	2.7519	486.27	2.7976	487.32	2.6058
484.198	2.7347	485.247	2.6834	486.296	2.8348	487.346	2.6576
484.223	2.7534	485.272	2.7024	486.32	2.8367	487.37	2.6590
484.247	2.7365	485.297	2.7040	486.346	2.8388	487.396	2.6606
484.272	2.6668	485.322	2.7405	486.37	2.7876	487.42	2.6623
484.297	2.6677	485.347	2.7420	486.396	2.7896	487.446	2.6642
484.322	2.7214	485.372	2.7082	486.42	2.7389	487.47	2.6662
484.347	2.7400	485.397	2.7094	486.446	2.7406	487.496	2.6682
484.372	2.7410	485.422	2.7105	486.47	2.7596	487.52	2.6702
484.397	2.7420	485.447	2.6078	486.496	2.6401	487.546	2.6722
484.422	2.7431	485.472	2.6087	486.52	2.6243	487.57	2.6740
484.447	2.7443	485.497	2.6958	486.546	2.6253	487.596	2.7269
484.472	2.7455	485.522	2.6793	486.57	2.6262	487.62	2.7285
484.497	2.7469	485.547	2.6975	486.596	2.6102	487.646	2.6959
484.522	2.7128	485.572	2.6120	486.62	2.6110	487.67	2.6974
484.547	2.7319	485.597	2.6128	486.646	2.6119	487.696	2.6989
484.572	2.6630	485.622	2.6999	486.67	2.6639	487.720	2.6328
484.597	2.6643	485.647	2.7008	486.696	2.6650	487.746	2.6511
484.622	2.6482	485.672	2.7017	486.72	2.6152	487.77	2.7376
484.647	2.6669	485.697	2.7553	486.746	2.6165	487.795	2.7392
484.672	2.6680	485.722	2.7564	486.77	2.6180	487.820	2.7408
484.697	2.6691	485.747	2.6532	486.796	2.6195	487.845	2.6913
484.722	2.6701	485.772	2.6546	486.82	2.6212	487.870	2.6929
484.747	2.6711	485.797	2.7081	486.846	2.6229	487.895	2.7285
484.772	2.6722	485.822	2.7098	486.87	2.6416	487.920	2.6959
484.797	2.6734	485.847	2.7115	486.896	2.6265	487.945	2.6972



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
487.970	2.6984	489.020	3.0834	490.069	2.7967	491.119	2.5516
487.995	2.6994	489.045	3.1040	490.094	2.7978	491.144	2.5537
488.020	2.7173	489.070	2.9980	490.119	2.6648	491.169	2.4925
488.045	2.7180	489.095	3.0185	490.144	2.6657	491.194	2.4946
488.070	2.7357	489.120	2.9675	490.169	2.6830	491.219	2.4967
488.095	2.8397	489.145	2.9700	490.194	2.6837	491.243	2.4988
488.120	2.8402	489.170	2.9724	490.219	2.6844	491.268	2.5009
488.145	2.7884	489.195	2.9217	490.244	2.7687	491.293	2.4872
488.170	2.7888	489.220	2.9238	490.269	2.7695	491.318	2.4890
488.195	2.7891	489.245	3.0142	490.294	2.8042	491.343	2.6177
488.220	2.8591	489.270	3.0159	490.319	2.8052	491.368	2.6032
488.245	2.8596	489.295	3.0174	490.344	2.8063	491.393	2.6207
488.270	2.7907	489.320	3.0010	490.369	2.7400	491.418	2.5899
488.295	2.7915	489.345	2.9844	490.394	2.7413	491.443	2.5912
488.320	2.8973	489.370	3.0032	490.419	2.6762	491.468	2.5764
488.345	2.8808	489.395	2.9862	490.444	2.6776	491.493	2.5776
488.370	2.8999	489.420	2.9868	490.469	2.6791	491.518	2.5787
488.395	3.0630	489.444	2.9343	490.494	2.6807	491.543	2.5010
488.420	3.0647	489.469	2.9345	490.519	2.6823	491.568	2.5023
488.445	3.1401	489.494	3.0230	490.544	2.6511	491.593	2.5825
488.470	3.1419	489.519	3.0228	490.569	2.6528	491.618	2.5838
488.495	3.1437	489.544	3.0226	490.594	2.6547	491.643	2.5851
488.520	3.0536	489.569	2.9163	490.619	2.6566	491.668	2.5864
488.545	3.0554	489.594	2.9161	490.644	2.6587	491.693	2.5877
488.570	3.0208	489.619	2.8639	490.669	2.6281	491.718	2.6531
488.595	3.0586	489.644	2.8640	490.694	2.6466	491.743	2.6544
488.620	3.0784	489.669	2.8642	490.719	2.5677	491.768	2.5916
488.645	3.1535	489.694	2.9167	490.744	2.5698	491.793	2.5930
488.670	3.1548	489.719	2.9173	490.769	2.5720	491.818	2.5946
488.695	3.1561	489.744	2.9356	490.794	2.6225	491.843	2.6444
488.720	3.1574	489.769	2.9365	490.819	2.6245	491.868	2.6463
488.745	3.1587	489.794	2.9375	490.844	2.5941	491.893	2.7295
488.770	3.0680	489.819	2.8345	490.869	2.5960	491.918	2.7153
488.795	3.0692	489.844	2.9223	490.894	2.5979	491.943	2.7338
488.820	3.2561	489.869	2.8028	490.919	2.6322	491.968	2.7034
488.845	3.2573	489.894	2.8042	490.944	2.6342	491.993	2.7054
488.870	3.2586	489.919	2.8055	490.969	2.5716	492.018	2.6748
488.895	3.2980	489.944	2.8070	490.994	2.5897	492.043	2.6764
488.920	3.2995	489.969	2.8084	491.019	2.5916	492.068	2.6776
488.945	3.2253	489.994	2.8098	491.044	2.5456	492.093	2.6463
488.970	3.2271	490.019	2.8282	491.069	2.5476	492.118	2.6468
488.995	3.2291	490.044	2.7955	491.094	2.5496	492.143	2.6470



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

492.168	2.6470	493.217	2.6532	494.267	2.6533	495.316	2.6861
492.193	2.6628	493.242	2.6866	494.292	2.6852	495.34	2.6256
492.218	2.6625	493.267	2.6880	494.317	2.6853	495.366	2.6273
492.243	2.6461	493.292	2.7054	494.342	2.6854	495.39	2.6288
492.268	2.7104	493.317	2.7068	494.367	2.8467	495.416	2.5227
492.293	2.7102	493.342	2.6922	494.392	2.8303	495.44	2.5237
492.318	2.7103	493.367	2.6616	494.417	2.8140	495.466	2.6321
492.343	2.7268	493.392	2.6631	494.442	2.7978	495.49	2.6485
492.368	2.7274	493.417	2.6645	494.467	2.8143	495.516	2.6338
492.393	2.6634	493.442	2.6342	494.492	2.8146	495.54	2.6658
492.418	2.6485	493.467	2.6356	494.517	2.8150	495.566	2.6668
492.443	2.6179	493.492	2.7169	494.542	2.8320	495.59	2.7150
492.468	2.6194	493.517	2.7183	494.567	2.8328	495.616	2.7479
492.493	2.6211	493.542	2.7037	494.592	2.8338	495.64	2.7493
492.518	2.5911	493.567	2.7215	494.617	2.8515	495.666	2.7349
492.543	2.5927	493.592	2.7233	494.642	2.8531	495.69	2.7206
492.568	2.6259	493.617	2.6453	494.667	2.7735	495.716	2.6751
492.593	2.6271	493.642	2.6475	494.692	2.7594	495.74	2.6766
492.618	2.6280	493.667	2.6499	494.716	2.7776	495.766	2.7252
492.643	2.6766	493.692	2.6208	494.74	2.8613	495.79	2.7266
492.668	2.6769	493.717	2.6391	494.767	2.8472	495.816	2.7279
492.693	2.6932	493.742	2.6574	494.79	2.9487	495.84	2.7290
492.718	2.6932	493.767	2.6598	494.816	2.9508	495.866	2.7301
492.743	2.6932	493.792	2.6621	494.84	2.9528	495.89	2.6839
492.768	2.6611	493.817	2.6169	494.866	2.9379	495.916	2.7162
492.793	2.6614	493.842	2.6187	494.89	2.9227	495.94	2.6858
492.818	2.6781	493.867	2.6203	494.916	2.7769	495.966	2.7181
492.843	2.6628	493.892	2.5905	494.94	2.7778	495.99	2.6567
492.868	2.6639	493.917	2.5762	494.966	2.8760	496.016	2.7203
492.893	2.6812	493.942	2.6716	494.99	2.8601	496.04	2.6902
492.918	2.6665	493.967	2.6728	495.016	2.8769	496.066	2.7230
492.943	2.5885	493.992	2.6581	495.04	2.7798	496.09	2.6931
492.968	2.5743	494.017	2.6593	495.066	2.7964	496.116	2.6946
492.993	2.5759	494.042	2.6763	495.09	2.7170	496.14	2.5879
493.018	2.6250	494.067	2.6776	495.116	2.7338	496.166	2.5894
493.043	2.5949	494.092	2.6788	495.14	2.7192	496.19	2.5909
493.067	2.6922	494.117	2.6801	495.166	2.6733	496.216	2.6383
493.092	2.6777	494.142	2.6812	495.19	2.6751	496.24	2.6395
493.117	2.6954	494.167	2.7141	495.216	2.6929	496.266	2.6716
493.142	2.6969	494.192	2.7151	495.24	2.6952	496.29	2.6726
493.167	2.6984	494.217	2.7158	495.266	2.6975	496.316	2.6735
493.192	2.6517	494.242	2.6529	495.29	2.6840	496.34	2.7054



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
496.366	2.7375	497.415	2.4199	498.464	2.1200	499.514	2.0844
496.39	2.7069	497.440	2.4200	498.489	2.0943	499.539	2.0596
496.416	2.7075	497.465	2.4202	498.514	2.0820	499.564	2.0747
496.44	2.7083	497.490	2.3770	498.539	2.1645	499.589	2.0366
496.466	2.6779	497.515	2.3775	498.564	2.1656	499.614	2.0382
496.49	2.6788	497.540	2.3781	498.589	2.1666	499.639	2.0396
496.516	2.6489	497.565	2.3071	498.614	2.1403	499.664	2.1208
496.540	2.6502	497.590	2.3081	498.639	2.1413	499.689	2.1219
496.565	2.7767	497.615	2.3235	498.664	2.1697	499.714	2.1229
496.590	2.7625	497.640	2.3249	498.689	2.1707	499.739	2.1239
496.615	2.7642	497.665	2.3263	498.714	2.1716	499.764	2.1248
496.640	2.8297	497.690	2.3565	498.739	2.1726	499.789	2.1258
496.665	2.8317	497.715	2.3438	498.764	2.1734	499.814	2.1270
496.690	2.7701	497.740	2.2742	498.789	2.1606	499.839	2.0483
496.715	2.7721	497.765	2.3182	498.814	2.1477	499.864	2.0499
496.740	2.7741	497.790	2.2769	498.839	2.1486	499.889	2.0252
496.765	2.7759	497.815	2.2780	498.864	2.1768	499.914	2.0270
496.790	2.7776	497.840	2.2789	498.889	2.1777	499.939	2.0290
496.815	2.8910	497.865	2.2514	498.914	2.1514	499.964	2.0048
496.840	2.8924	497.890	2.2519	498.939	2.1525	499.989	2.0068
496.865	2.8775	497.915	2.2522	498.964	2.1536	500.013	2.0878
496.890	2.7046	497.940	2.2245	498.989	2.1548	500.039	2.1028
496.915	2.7056	497.965	2.2527	499.014	2.1560	500.063	2.1178
496.940	2.6756	497.990	2.2529	499.039	2.1299	500.088	2.0661
496.965	2.6765	498.015	2.2532	499.064	2.1310	500.113	2.0673
496.990	2.6774	498.040	2.2536	499.089	2.1051	500.138	2.0289
497.015	2.5114	498.065	2.3250	499.114	2.1196	500.163	2.0036
497.040	2.5273	498.090	2.3258	499.139	2.1206	500.188	2.0044
497.065	2.5432	498.115	2.3268	499.164	2.1216	500.213	2.0051
497.090	2.5442	498.140	2.3281	499.189	2.1226	500.238	1.9798
497.115	2.5452	498.165	2.3297	499.214	2.1506	500.263	2.0065
497.140	2.4867	498.190	2.2748	499.239	2.1515	500.288	1.9814
497.165	2.4877	498.215	2.2629	499.264	2.1524	500.313	1.9694
497.190	2.4888	498.240	2.1955	499.289	2.1398	500.338	1.9836
497.215	2.4898	498.264	2.1980	499.314	2.1543	500.363	2.0110
497.240	2.5056	498.289	2.2007	499.339	2.1281	500.388	2.0125
497.265	2.4915	498.314	2.1895	499.364	2.1157	500.413	2.0141
497.290	2.4922	498.339	2.2059	499.389	2.1169	500.438	2.0158
497.315	2.3900	498.364	2.1260	499.414	2.1047	500.463	2.0175
497.340	2.3903	498.389	2.1283	499.439	2.1061	500.488	2.0190
497.365	2.4196	498.414	2.1167	499.464	2.0809	500.513	2.0204
497.390	2.4197	498.439	2.1049	499.489	2.0960	500.538	2.0216



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
500.563	2.0356	501.613	2.1806	502.662	2.4138	503.71	2.1407
500.588	2.0362	501.638	2.1829	502.687	2.4149	503.736	2.1416
500.613	2.0629	501.663	2.2123	502.712	2.3196	503.76	2.1686
500.638	2.0631	501.688	2.2150	502.737	2.3068	503.786	2.1693
500.663	2.0630	501.713	2.2177	502.762	2.2940	503.81	2.0794
500.688	2.0498	501.738	2.2204	502.787	2.2811	503.836	2.0803
500.713	2.0365	501.763	2.2230	502.812	2.2952	503.86	2.0814
500.738	2.0363	501.788	2.1852	502.837	2.3367	503.886	2.1084
500.763	2.0363	501.813	2.1872	502.862	2.3373	503.91	2.1098
500.788	2.0626	501.837	2.1889	502.887	2.3380	503.936	2.1245
500.813	2.0630	501.862	2.2036	502.912	2.3387	503.96	2.1265
500.838	2.0635	501.887	2.1911	502.937	2.3396	503.986	2.1286
500.863	2.0380	501.912	2.2319	502.962	2.4512	504.01	2.1309
500.888	2.0389	501.937	2.2322	502.987	2.4523	504.036	2.1332
500.913	2.0400	501.962	2.2053	503.012	2.4816	504.06	2.1354
500.938	2.0543	501.987	2.2051	503.037	2.4689	504.086	2.1375
500.963	2.0426	502.012	2.2048	503.062	2.4704	504.11	2.1914
500.988	2.0834	502.037	2.2992	503.087	2.4580	504.136	2.1929
501.013	2.0717	502.062	2.2989	503.112	2.4596	504.16	2.1942
501.038	2.0732	502.087	2.2716	503.137	2.2827	504.186	2.2609
501.063	2.0747	502.112	2.2716	503.162	2.2843	504.21	2.2615
501.088	2.0761	502.137	2.2584	503.187	2.2857	504.236	2.3151
501.113	2.1571	502.162	2.2997	503.212	2.2069	504.26	2.3152
501.138	2.1584	502.187	2.3005	503.237	2.2081	504.286	2.3150
501.163	2.2542	502.212	2.3015	503.262	2.2091	504.31	2.3148
501.188	2.2553	502.237	2.3028	503.287	2.2100	504.336	2.3146
501.213	2.2562	502.262	2.3042	503.312	2.2109	504.36	2.3686
501.238	2.2298	502.287	2.2785	503.337	2.2117	504.386	2.3687
501.263	2.2442	502.312	2.2801	503.362	2.2125	504.41	2.3690
501.288	2.2313	502.337	2.3091	503.387	2.2534	504.436	2.4656
501.313	2.2456	502.362	2.3109	503.412	2.2544	504.46	2.4666
501.338	2.2463	502.387	2.2719	503.437	2.2156	504.486	2.3719
501.363	2.1662	502.412	2.2737	503.462	2.2169	504.51	2.3734
501.388	2.1671	502.437	2.2756	503.487	2.1920	504.536	2.3617
501.413	2.1949	502.462	2.3456	503.512	2.1281	504.56	2.3909
501.438	2.1960	502.487	2.3474	503.536	2.1298	504.586	2.4068
501.463	2.1972	502.512	2.3768	503.56	2.1577	504.61	2.3955
501.488	2.1986	502.537	2.3924	503.586	2.1595	504.636	2.3979
501.513	2.2000	502.562	2.3802	503.61	2.1613	504.66	2.4139
501.538	2.1614	502.587	2.2996	503.636	2.0850	504.686	2.5127
501.563	2.1631	502.612	2.3012	503.66	2.0994	504.71	2.5148
501.588	2.1784	502.637	2.4125	503.686	2.1787	504.736	2.5587



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
504.76	2.5604	505.810	2.2122	506.860	2.1436	507.909	2.1325
504.786	2.5618	505.835	2.1606	506.885	2.1446	507.934	2.0597
504.81	2.5631	505.860	2.1605	506.910	2.1455	507.959	2.0615
504.836	2.5641	505.885	2.1732	506.935	2.1465	507.984	2.0633
504.86	2.6788	505.910	2.1859	506.960	2.1986	508.009	2.1148
504.886	2.6795	505.935	2.1857	506.985	2.1871	508.034	2.1166
504.91	2.5523	505.960	2.1471	507.010	2.2013	508.059	2.1812
504.936	2.5529	505.985	2.1471	507.035	2.2029	508.084	2.1829
504.96	2.5534	506.010	2.1344	507.060	2.2047	508.109	2.1847
504.986	2.4706	506.035	2.2120	507.085	2.0181	508.134	2.2883
505.01	2.4713	506.060	2.2126	507.110	2.0201	508.159	2.2899
505.036	2.4721	506.085	2.1875	507.134	2.1342	508.184	2.2145
505.06	2.4730	506.110	2.1886	507.159	2.1487	508.209	2.2032
505.086	2.4741	506.135	2.2029	507.184	2.1378	508.234	2.1919
505.11	2.4342	506.160	2.2044	507.209	2.1267	508.259	2.1931
505.136	2.4356	506.185	2.2060	507.234	2.1153	508.284	2.1943
505.16	2.4235	506.210	2.1948	507.259	2.1415	508.309	2.1956
505.186	2.4388	506.235	2.1965	507.284	2.1423	508.334	2.1968
505.21	2.4406	506.260	2.2111	507.309	2.1429	508.359	2.0857
505.236	2.4835	506.285	2.2127	507.334	2.1057	508.384	2.0869
505.26	2.4853	506.310	2.2014	507.359	2.1060	508.409	2.0881
505.286	2.4460	506.335	2.1643	507.384	2.0194	508.434	2.1513
505.31	2.4477	506.360	2.1657	507.409	2.0073	508.459	2.1525
505.335	2.4358	506.385	2.1671	507.434	2.0320	508.484	2.2165
505.360	2.4510	506.410	2.2070	507.459	2.0322	508.509	2.2302
505.385	2.4525	506.435	2.2085	507.484	2.0447	508.534	2.2312
505.410	2.4677	506.460	2.1842	507.509	2.0327	508.559	2.2575
505.435	2.4690	506.485	2.1857	507.534	2.0331	508.584	2.2584
505.460	2.4702	506.510	2.2002	507.559	2.1460	508.609	2.3235
505.485	2.3764	506.535	2.1761	507.584	2.1469	508.634	2.3244
505.510	2.3774	506.560	2.1907	507.609	2.1480	508.659	2.3383
505.535	2.3649	506.585	2.1034	507.634	2.0868	508.684	2.3133
505.560	2.3658	506.610	2.1051	507.659	2.0884	508.709	2.3144
505.585	2.3665	506.635	2.1068	507.684	2.0038	508.734	2.2133
505.610	2.3007	506.660	2.1085	507.709	2.0057	508.759	2.2145
505.635	2.3014	506.685	2.1101	507.734	1.9955	508.784	2.2157
505.660	2.2625	506.710	2.1623	507.759	1.9976	508.809	2.2043
505.685	2.2630	506.735	2.1636	507.784	2.0118	508.833	2.2055
505.710	2.2113	506.760	2.1142	507.809	2.0260	508.858	2.2067
505.735	2.2117	506.785	2.1154	507.834	2.0279	508.883	2.2079
505.760	2.2120	506.810	2.1164	507.859	2.0297	508.908	2.2091
505.785	2.2122	506.835	2.1427	507.884	2.1307	508.933	2.2737



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

508.958	2.2748	510.008	2.3067	511.057	2.1901	512.107	2.1644
508.983	2.3144	510.033	2.2944	511.082	2.1551	512.132	2.1042
509.008	2.3026	510.058	2.2948	511.107	2.1568	512.157	2.1044
509.033	2.3038	510.083	2.2698	511.132	2.2075	512.182	2.1773
509.058	2.3050	510.108	2.2703	511.157	2.1967	512.207	2.1780
509.083	2.3062	510.133	2.2709	511.182	2.1981	512.232	2.1788
509.108	2.3722	510.158	2.2716	511.207	2.1993	512.257	2.1314
509.133	2.3735	510.183	2.2724	511.232	2.2004	512.282	2.1326
509.158	2.3749	510.208	2.2734	511.257	2.1646	512.307	2.2068
509.183	2.3763	510.233	2.2744	511.282	2.1656	512.332	2.2082
509.208	2.3776	510.258	2.2756	511.307	2.1665	512.357	2.2466
509.233	2.4313	510.283	2.3022	511.332	2.1674	512.38	2.2606
509.258	2.4325	510.308	2.3035	511.357	2.1929	512.406	2.2501
509.283	2.3553	510.333	2.1670	511.382	2.1694	512.43	2.1908
509.308	2.3563	510.358	2.1683	511.407	2.1704	512.456	2.2171
509.333	2.3572	510.383	2.1697	511.432	2.1715	512.482	2.2313
509.358	2.2937	510.408	2.1463	511.457	2.2341	512.506	2.2333
509.383	2.2946	510.433	2.1598	511.482	2.2352	512.53	2.2476
509.408	2.2446	510.458	2.1363	511.507	2.1506	512.556	2.2617
509.433	2.2582	510.483	2.1374	511.532	2.1518	512.58	2.2635
509.458	2.2465	510.508	2.1261	511.557	2.0449	512.606	2.4026
509.483	2.3241	510.533	2.2888	511.582	2.0463	512.63	2.4040
509.508	2.3252	510.558	2.2898	511.607	2.0478	512.656	2.4053
509.533	2.3522	510.583	2.2656	511.632	2.0614	512.68	2.2936
509.558	2.3405	510.608	2.2794	511.657	2.0632	512.706	2.2945
509.583	2.3547	510.632	2.2807	511.682	2.0059	512.73	2.2094
509.608	2.2410	510.657	2.1823	511.707	2.0080	512.756	2.2101
509.633	2.2422	510.682	2.1965	511.732	2.0101	512.78	2.2108
509.658	2.2559	510.707	2.2734	511.757	2.0121	512.806	2.1630
509.683	2.2318	510.732	2.2629	511.782	2.0141	512.83	2.2000
509.708	2.2581	510.757	2.1904	511.807	2.0633	512.856	2.1404
509.733	2.3744	510.782	2.1927	511.832	2.0650	512.88	2.1532
509.758	2.3755	510.807	2.1949	511.857	2.0664	512.906	2.1421
509.783	2.4549	510.832	2.2469	511.882	2.0675	512.93	2.0835
509.808	2.4560	510.857	2.2366	511.907	2.0683	512.956	2.0846
509.833	2.4308	510.882	2.2015	511.932	2.1287	512.98	2.0857
509.858	2.4057	510.907	2.2283	511.957	2.1290	513.006	2.0869
509.883	2.4067	510.932	2.2054	511.982	2.1291	513.03	2.0763
509.908	2.3815	510.957	2.2821	512.007	2.0811	513.056	1.9955
509.933	2.3822	510.982	2.2714	512.032	2.0808	513.08	1.9968
509.958	2.3185	511.007	2.1987	512.057	2.1769	513.106	2.0447
509.983	2.3190	511.032	2.1882	512.082	2.1645	513.13	2.0459



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
513.156	2.0824	514.205	1.9756	515.255	1.8578	516.304	1.8562
513.18	2.0718	514.230	1.9764	515.280	1.8592	516.329	1.8571
513.206	2.0728	514.255	1.9774	515.305	1.8605	516.354	1.8581
513.23	2.0269	514.280	1.9785	515.330	1.8728	516.379	1.8372
513.256	2.0278	514.305	1.9798	515.355	1.8852	516.404	1.8383
513.28	2.0756	514.330	1.8904	515.380	1.7981	516.429	1.8615
513.306	2.0764	514.355	1.8920	515.405	1.7993	516.454	1.8628
513.33	2.0772	514.380	1.8713	515.430	1.8006	516.479	1.8642
513.356	1.9730	514.405	1.9408	515.455	1.8238	516.504	1.8219
513.38	1.9970	514.430	1.9426	515.480	1.8251	516.529	1.8234
513.406	2.0328	514.455	1.8993	515.505	1.8484	516.554	1.8250
513.43	2.0338	514.480	1.8899	515.530	1.8496	516.579	1.8267
513.456	2.0349	514.505	1.9030	515.555	1.8619	516.604	1.8176
513.48	2.0243	514.530	1.8824	515.580	1.8298	516.629	1.8085
513.506	2.0255	514.555	1.8841	515.605	1.8308	516.654	1.8212
513.53	1.9459	514.580	1.9082	515.630	1.8757	516.679	1.7475
513.556	1.9472	514.605	1.9097	515.655	1.8764	516.704	1.7385
513.58	1.9486	514.630	1.9110	515.680	1.8768	516.729	1.7509
513.606	1.9614	514.655	1.9121	515.705	1.8772	516.754	1.7525
513.63	1.9627	514.680	1.9131	515.730	1.8775	516.779	1.7432
513.656	2.0451	514.705	1.9364	515.755	1.8777	516.804	1.6914
513.68	2.0463	514.730	1.9370	515.780	1.8779	516.829	1.6925
513.706	2.0474	514.755	1.9375	515.805	1.8561	516.854	1.7253
513.73	2.0602	514.780	1.9834	515.830	1.8565	516.879	1.7475
513.756	2.0495	514.805	1.9724	515.854	1.8681	516.904	1.7270
513.78	1.9693	514.830	1.9501	515.879	1.8357	516.929	1.6960
513.806	1.9702	514.855	1.9619	515.904	1.8367	516.954	1.7180
513.83	1.9711	514.880	1.9171	515.929	1.7724	516.979	1.6556
513.856	1.9721	514.905	1.9176	515.954	1.7846	517.004	1.6670
513.88	1.9731	514.930	1.9181	515.979	1.7861	517.029	1.6575
513.906	1.9742	514.955	1.9188	516.004	1.7769	517.054	1.6273
513.93	1.9755	514.980	1.9196	516.029	1.7895	517.079	1.6182
513.956	1.9768	515.005	1.9206	516.054	1.7694	517.104	1.6091
513.98	1.9667	515.030	1.9217	516.079	1.7710	517.129	1.6311
514.005	1.9680	515.055	1.9230	516.104	1.7617	517.154	1.6220
514.03	1.8785	515.080	1.8573	516.129	1.8063	517.179	1.6233
514.056	1.8797	515.105	1.8701	516.154	1.8074	517.204	1.6244
514.08	1.8807	515.130	1.8606	516.179	1.8742	517.229	1.7200
514.105	1.8817	515.155	1.8735	516.204	1.8751	517.254	1.7316
514.130	1.8825	515.180	1.8641	516.229	1.8870	517.279	1.7326
514.155	1.8832	515.205	1.9329	516.254	1.8327	517.304	1.6285
514.180	1.8839	515.230	1.9345	516.279	1.8334	517.329	1.6296



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

517.354	1.6100	518.403	1.8103	519.452	1.9587	520.502	1.7432
517.379	1.6113	518.428	1.8221	519.477	1.9592	520.527	1.7451
517.404	1.6334	518.453	1.8991	519.502	1.8839	520.552	1.7160
517.429	1.6348	518.478	1.9006	519.527	1.8846	520.577	1.7181
517.454	1.6363	518.503	1.9022	519.552	1.8855	520.602	1.7203
517.479	1.6900	518.528	1.8391	519.577	1.9517	520.627	1.7432
517.504	1.6913	518.553	1.8409	519.602	1.9532	520.652	1.7454
517.529	1.6402	518.578	1.9187	519.627	1.9659	520.677	1.7477
517.554	1.6412	518.603	1.9205	519.652	1.9679	520.702	1.7499
517.579	1.6421	518.628	1.9222	519.677	1.9701	520.727	1.7314
517.604	1.6220	518.653	1.8695	519.702	1.9397	520.752	1.7335
517.628	1.6330	518.678	1.8709	519.727	1.9419	520.777	1.7355
517.654	1.6232	518.703	1.9482	519.752	1.8687	520.802	1.7374
517.678	1.6341	518.728	1.9492	519.777	1.8707	520.827	1.7391
517.703	1.6244	518.753	1.9500	519.802	1.8511	520.852	1.7201
517.728	1.6148	518.778	1.8961	519.827	1.8527	520.877	1.7112
517.753	1.6156	518.803	1.8968	519.852	1.8539	520.902	1.7226
517.778	1.6476	518.828	1.8328	519.877	1.9301	520.927	1.6827
517.803	1.6486	518.853	1.8336	519.902	1.9309	520.952	1.6938
517.828	1.6497	518.878	1.8345	519.927	1.9100	520.977	1.6742
517.853	1.6509	518.903	1.8677	519.952	1.9106	521.002	1.6647
517.878	1.6521	518.928	1.8581	519.977	1.9111	521.027	1.6652
517.903	1.7058	518.953	1.8594	520.002	1.8368	521.052	1.6353
517.928	1.7071	518.978	1.8499	520.027	1.8372	521.077	1.6356
517.953	1.7086	519.003	1.8406	520.052	1.9124	521.102	1.6057
517.978	1.7100	519.028	1.8419	520.077	1.9128	521.126	1.5959
518.003	1.7114	519.053	1.8433	520.102	1.9132	521.15	1.5960
518.028	1.7127	519.078	1.8126	520.127	1.9028	521.177	1.6062
518.053	1.7139	519.103	1.8139	520.152	1.8924	521.20	1.6065
518.078	1.7151	519.128	1.9337	520.177	1.8393	521.226	1.5371
518.103	1.7267	519.153	1.9350	520.202	1.8396	521.25	1.5375
518.128	1.7276	519.178	1.9364	520.227	1.8398	521.276	1.5381
518.153	1.7284	519.203	1.9160	520.252	1.8932	521.30	1.6184
518.178	1.7292	519.228	1.9173	520.277	1.8934	521.326	1.6190
518.203	1.7299	519.253	1.9514	520.302	1.8616	521.35	1.6097
518.228	1.7305	519.278	1.9527	520.327	1.8619	521.376	1.6104
518.253	1.7311	519.303	1.9540	520.352	1.8624	521.40	1.6110
518.278	1.7529	519.328	1.9442	520.377	1.8206	521.426	1.6117
518.303	1.7536	519.353	1.9452	520.402	1.8214	521.45	1.6123
518.328	1.7756	519.377	1.9789	520.427	1.6973	521.476	1.6029
518.353	1.7764	519.402	2.0016	520.452	1.7089	521.50	1.6135
518.378	1.7772	519.427	1.9801	520.477	1.7104	521.526	1.6444



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
521.55	1.6452	522.60	1.6944	523.650	1.6306	524.699	1.8112
521.576	1.6461	522.626	1.6957	523.675	1.6116	524.724	1.8221
521.60	1.6471	522.65	1.6671	523.700	1.6519	524.749	1.8026
521.626	1.6483	522.676	1.6688	523.725	1.6428	524.774	1.8035
521.65	1.6497	522.70	1.6808	523.750	1.5944	524.799	1.9695
521.676	1.6512	522.726	1.6827	523.775	1.5953	524.824	1.9602
521.70	1.6528	522.75	1.6846	523.800	1.5962	524.849	1.8784
521.726	1.6850	522.776	1.6765	523.825	1.6863	524.874	1.8901
521.75	1.6869	522.80	1.6883	523.850	1.6872	524.899	1.8916
521.776	1.6384	522.826	1.6500	523.875	1.6286	524.924	2.0291
521.80	1.6405	522.85	1.6516	523.900	1.6394	524.949	2.0200
521.826	1.6426	522.875	1.6531	523.925	1.6206	524.974	2.0534
521.85	1.6447	522.90	1.6845	523.950	1.6611	524.999	2.0548
521.876	1.6468	522.926	1.6857	523.975	1.6523	525.024	2.0560
521.90	1.6488	522.950	1.6369	524.000	1.7535	525.049	1.9517
521.926	1.6508	522.975	1.6380	524.025	1.7548	525.074	1.9527
521.95	1.6527	523.000	1.6390	524.050	1.7359	525.099	1.9016
521.976	1.6747	523.025	1.6202	524.075	1.7373	525.124	1.9024
522.00	1.6665	523.050	1.6212	524.100	1.7388	525.149	2.0710
522.026	1.6784	523.075	1.6820	524.125	1.6803	525.174	2.0824
522.05	1.6902	523.100	1.6830	524.150	1.6818	525.199	2.0832
522.076	1.6818	523.125	1.7040	524.175	1.7334	525.224	2.0628
522.10	1.6633	523.150	1.7049	524.200	1.7350	525.249	2.0638
522.126	1.6649	523.175	1.7058	524.225	1.7367	525.274	2.0651
522.15	1.6865	523.200	1.6169	524.250	1.7484	525.299	2.0664
522.176	1.6878	523.225	1.6177	524.275	1.7501	525.324	2.0679
522.20	1.6889	523.250	1.6983	524.300	1.7821	525.349	1.9849
522.226	1.7406	523.275	1.6991	524.325	1.7940	525.374	1.9864
522.25	1.7414	523.300	1.6999	524.350	1.7957	525.399	2.0512
522.276	1.6711	523.325	1.6707	524.375	1.7569	525.424	2.0633
522.30	1.6715	523.350	1.6716	524.400	1.7585	525.449	2.0540
522.326	1.6616	523.375	1.6228	524.425	1.7199	525.474	2.0766
522.35	1.6617	523.400	1.6238	524.450	1.7214	525.499	2.0778
522.376	1.6616	523.425	1.6247	524.475	1.7227	525.524	1.9631
522.40	1.6116	523.450	1.6256	524.500	1.7339	525.549	1.9642
522.426	1.6114	523.475	1.6363	524.525	1.7551	525.574	1.9653
522.45	1.6612	523.500	1.5878	524.550	1.7965	525.599	2.0610
522.476	1.6612	523.525	1.5885	524.575	1.8075	525.624	2.0621
522.50	1.6614	523.550	1.5891	524.600	1.8083	525.649	2.0000
522.526	1.6717	523.575	1.5700	524.625	1.7686	525.674	2.0012
522.55	1.6723	523.600	1.5706	524.650	1.7693	525.699	2.0023
522.576	1.6933	523.625	1.6103	524.675	1.8105	525.724	2.0034



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

525.749	2.0044	526.798	1.9271	527.848	1.7116	528.897	1.6048
525.774	1.8914	526.823	1.9078	527.873	1.7510	528.922	1.6246
525.799	1.9230	526.848	1.9089	527.898	1.7514	528.947	1.6254
525.824	1.8928	526.873	1.8292	527.923	1.7128	528.972	1.6074
525.849	1.9759	526.898	1.8403	527.948	1.7132	528.997	1.6082
525.874	1.9971	526.923	1.8314	527.973	1.7138	529.022	1.6091
525.899	1.9454	526.948	1.8727	527.998	1.7339	529.047	1.6288
525.924	1.9457	526.973	1.8739	528.023	1.7347	529.072	1.6297
525.949	1.9564	526.998	1.8148	528.048	1.7749	529.097	1.6212
525.974	1.9567	527.023	1.8160	528.073	1.7760	529.122	1.6128
525.999	1.9572	527.048	1.8172	528.098	1.7773	529.147	1.6139
526.024	1.9786	527.073	1.7589	528.123	1.7688	529.172	1.6530
526.049	1.9793	527.098	1.7502	528.148	1.7800	529.197	1.6543
526.074	1.8975	527.123	1.7612	528.173	1.7521	529.222	1.6558
526.099	1.8984	527.148	1.7523	528.198	1.7633	529.247	1.6573
526.124	1.8993	527.173	1.7631	528.222	1.7744	529.272	1.6780
526.149	1.8696	527.198	1.6857	528.247	1.7562	529.297	1.6797
526.174	1.8604	527.223	1.6865	528.272	1.7672	529.322	1.6719
526.199	1.9330	527.248	1.6678	528.297	1.7100	529.347	1.6831
526.224	1.9238	527.273	1.6685	528.322	1.7112	529.372	1.6847
526.249	1.9250	527.298	1.6691	528.347	1.7124	529.397	1.7245
526.274	1.9572	527.323	1.6697	528.372	1.6943	529.422	1.6971
526.299	1.9483	527.348	1.6704	528.397	1.6954	529.447	1.7271
526.323	2.0227	527.373	1.7197	528.422	1.7352	529.472	1.6708
526.349	2.0244	527.398	1.7109	528.447	1.7363	529.497	1.6718
526.374	2.0261	527.423	1.7119	528.472	1.7179	529.522	1.6917
526.398	2.0071	527.448	1.6936	528.497	1.7188	529.547	1.7021
526.424	2.0090	527.473	1.6949	528.522	1.7196	529.572	1.6838
526.448	1.9797	527.498	1.7158	528.547	1.7202	529.597	1.5901
526.473	1.9815	527.523	1.7172	528.572	1.7208	529.622	1.5909
526.498	1.9833	527.548	1.7187	528.597	1.6923	529.647	1.5822
526.523	1.9438	527.573	1.7202	528.622	1.6927	529.672	1.5830
526.548	1.9454	527.598	1.7217	528.647	1.6932	529.697	1.5836
526.573	1.9060	527.623	1.7720	528.672	1.6936	529.722	1.5843
526.598	1.9176	527.648	1.7733	528.697	1.6941	529.747	1.5850
526.623	1.9190	527.673	1.7451	528.722	1.6372	529.772	1.5856
526.648	1.9820	527.698	1.7462	528.747	1.6379	529.797	1.5862
526.673	1.9523	527.723	1.7472	528.772	1.6481	529.822	1.5869
526.698	1.9741	527.748	1.7091	528.797	1.6584	529.847	1.5410
526.723	1.9752	527.773	1.7391	528.822	1.6592	529.872	1.5417
526.748	1.9249	527.798	1.7106	528.847	1.6031	529.897	1.5888
526.773	1.9260	527.823	1.7111	528.872	1.6039	529.922	1.5896



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
529.947	1.5996	530.996	1.5672	532.045	1.6663	533.095	1.6728
529.97	1.6004	531.02	1.5680	532.070	1.6490	533.120	1.6834
529.996	1.6012	531.046	1.5688	532.095	1.6506	533.145	1.6755
530.02	1.6207	531.07	1.6349	532.120	1.6525	533.170	1.6955
530.046	1.6028	531.096	1.6360	532.145	1.6544	533.195	1.6969
530.07	1.6506	531.12	1.5629	532.170	1.6938	533.220	1.6704
530.096	1.6608	531.146	1.5642	532.195	1.6959	533.245	1.6625
530.12	1.6521	531.17	1.5656	532.220	1.6978	533.270	1.6823
530.146	1.6623	531.196	1.5947	532.245	1.7184	533.295	1.7301
530.17	1.6535	531.22	1.5961	532.270	1.7201	533.320	1.7312
530.196	1.6448	531.246	1.6159	532.295	1.7498	533.345	1.7320
530.22	1.6361	531.27	1.6170	532.320	1.7510	533.370	1.7326
530.246	1.6463	531.296	1.6180	532.345	1.7615	533.395	1.7050
530.27	1.6849	531.32	1.6748	532.370	1.7433	533.420	1.7053
530.296	1.6763	531.346	1.6754	532.395	1.7345	533.445	1.7054
530.32	1.6962	531.37	1.6570	532.420	1.7256	533.470	1.6590
530.346	1.7067	531.396	1.6573	532.445	1.7260	533.494	1.6590
530.37	1.6982	531.42	1.6574	532.470	1.7265	533.519	1.5585
530.396	1.6993	531.446	1.6480	532.495	1.7742	533.544	1.5497
530.42	1.7005	531.47	1.6480	532.520	1.7746	533.569	1.5590
530.446	1.7208	531.496	1.5922	532.545	1.7656	533.594	1.5595
530.47	1.7220	531.52	1.6017	532.570	1.7567	533.619	1.5602
530.496	1.7233	531.546	1.6113	532.595	1.7384	533.644	1.4891
530.52	1.6675	531.57	1.6213	532.620	1.7296	533.669	1.4900
530.546	1.6782	531.596	1.6223	532.645	1.7209	533.694	1.4910
530.57	1.7656	531.62	1.6516	532.670	1.7123	533.719	1.5188
530.596	1.7669	531.646	1.6533	532.695	1.7131	533.744	1.5198
530.62	1.7682	531.67	1.6553	532.720	1.7139	533.769	1.5658
530.646	1.7120	531.695	1.7045	532.745	1.7146	533.794	1.5667
530.67	1.7133	531.72	1.7068	532.770	1.7154	533.819	1.5586
530.696	1.6484	531.745	1.7375	532.795	1.6788	533.844	1.4967
530.72	1.6497	531.770	1.7397	532.820	1.6796	533.869	1.5065
530.746	1.6510	531.795	1.7132	532.845	1.6804	533.894	1.4630
530.77	1.6241	531.820	1.7054	532.870	1.6813	533.919	1.4641
530.796	1.6254	531.845	1.7162	532.895	1.6822	533.944	1.4741
530.82	1.6265	531.870	1.6983	532.920	1.7206	533.969	1.4841
530.846	1.6276	531.895	1.6992	532.945	1.7217	533.994	1.4854
530.87	1.5820	531.920	1.6437	532.970	1.7228	534.019	1.4601
530.896	1.5828	531.945	1.6442	532.995	1.7239	534.044	1.4614
530.92	1.5836	531.970	1.6449	533.020	1.7251	534.069	1.4627
530.946	1.6309	531.995	1.6736	533.045	1.7169	534.094	1.4640
530.97	1.6315	532.020	1.6745	533.070	1.7182	534.119	1.4652



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
534.144	1.4840	535.194	1.3253	536.243	1.3542	537.292	1.3389
534.169	1.4850	535.219	1.3275	536.268	1.3543	537.317	1.3396
534.194	1.4682	535.243	1.2958	536.293	1.3543	537.342	1.2483
534.219	1.4690	535.268	1.2981	536.318	1.3543	537.367	1.2492
534.244	1.4697	535.294	1.3003	536.343	1.3544	537.392	1.2502
534.269	1.4352	535.318	1.2940	536.368	1.3206	537.417	1.2514
534.294	1.4358	535.343	1.2959	536.393	1.3210	537.442	1.2609
534.319	1.4718	535.368	1.2975	536.418	1.3216	537.467	1.2457
534.344	1.4725	535.393	1.2905	536.443	1.3224	537.492	1.2472
534.369	1.4733	535.418	1.3002	536.468	1.3404	537.517	1.2157
534.394	1.4741	535.443	1.3439	536.493	1.3587	537.542	1.2173
534.419	1.4751	535.468	1.3448	536.518	1.3687	537.567	1.2188
534.444	1.4850	535.493	1.2946	536.543	1.3702	537.592	1.1956
534.469	1.4949	535.518	1.2954	536.568	1.3632	537.617	1.1970
534.494	1.4961	535.543	1.2962	536.593	1.3648	537.642	1.2146
534.519	1.4442	535.568	1.2800	536.618	1.3071	537.667	1.2075
534.544	1.4541	535.593	1.2892	536.643	1.3086	537.692	1.2086
534.569	1.4817	535.618	1.2563	536.668	1.2932	537.717	1.1850
534.594	1.4827	535.643	1.2739	536.693	1.2945	537.742	1.1776
534.619	1.4837	535.668	1.2746	536.718	1.2456	537.767	1.2606
534.644	1.4056	535.693	1.2923	536.743	1.2469	537.792	1.2613
534.669	1.4063	535.718	1.2847	536.768	1.2481	537.817	1.2621
534.694	1.4244	535.743	1.2603	536.793	1.2494	537.842	1.1971
534.719	1.4337	535.768	1.2613	536.818	1.2507	537.867	1.2061
534.744	1.4254	535.793	1.2622	536.843	1.2938	537.892	1.2234
534.769	1.4433	535.818	1.3224	536.867	1.2952	537.917	1.2162
534.794	1.4435	535.843	1.3235	536.893	1.2966	537.942	1.2172
534.819	1.4436	535.868	1.2655	536.918	1.2562	537.967	1.2184
534.844	1.4437	535.893	1.2667	536.943	1.2574	537.992	1.2196
534.869	1.4438	535.918	1.3270	536.968	1.2337	538.017	1.2787
534.894	1.4089	535.943	1.3281	536.992	1.2346	538.042	1.2800
534.919	1.4089	535.968	1.3292	537.017	1.2354	538.067	1.2814
534.944	1.3917	535.993	1.2881	537.042	1.3027	538.092	1.2994
534.969	1.3919	536.018	1.2807	537.067	1.3031	538.117	1.3006
534.994	1.3922	536.043	1.3239	537.092	1.3034	538.142	1.3520
535.019	1.3754	536.068	1.3164	537.117	1.3036	538.167	1.3530
535.044	1.3761	536.093	1.3173	537.142	1.3037	538.192	1.3539
535.069	1.3944	536.118	1.2843	537.167	1.3290	538.217	1.3129
535.094	1.3956	536.143	1.2766	537.192	1.3291	538.242	1.3052
535.119	1.3366	536.168	1.3533	537.217	1.3293	538.267	1.3225
535.144	1.3383	536.193	1.3537	537.242	1.3296	538.292	1.3064
535.169	1.3403	536.218	1.3540	537.267	1.3300	538.317	1.3070



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
538.342	1.3494	539.39	1.4541	540.44	1.3557	541.490	1.3344
538.367	1.3501	539.416	1.4548	540.466	1.3565	541.515	1.3276
538.392	1.3592	539.44	1.4216	540.49	1.2913	541.540	1.3454
538.417	1.3600	539.466	1.4222	540.516	1.3002	541.565	1.3551
538.442	1.3946	539.49	1.4652	540.54	1.3423	541.590	1.3236
538.467	1.3954	539.516	1.4656	540.565	1.3433	541.615	1.3086
538.492	1.3963	539.54	1.4659	540.590	1.3445	541.640	1.3099
538.517	1.4740	539.566	1.3732	540.615	1.3293	541.665	1.3767
538.542	1.4750	539.59	1.3735	540.640	1.3310	541.690	1.3776
538.567	1.4417	539.616	1.3737	540.665	1.2999	541.715	1.4702
538.592	1.4428	539.64	1.3739	540.690	1.3020	541.740	1.4624
538.617	1.4439	539.666	1.3742	540.715	1.3041	541.765	1.4377
538.642	1.4112	539.69	1.3329	540.740	1.3064	541.790	1.429
538.66	1.4211	539.716	1.3334	540.765	1.3168	541.815	1.4301
538.692	1.3383	539.74	1.3505	540.790	1.3436	541.840	1.3394
538.717	1.3400	539.766	1.3428	540.815	1.3456	541.865	1.3481
538.742	1.3417	539.79	1.3517	540.840	1.3473	541.890	1.4314
538.766	1.3686	539.816	1.4026	540.865	1.3487	541.915	1.4321
538.792	1.3705	539.84	1.4032	540.890	1.3498	541.940	1.4329
538.816	1.3723	539.866	1.4038	540.915	1.3837	541.965	1.3840
538.84	1.3740	539.89	1.4043	540.940	1.3841	541.990	1.3851
538.866	1.3757	539.916	1.4048	540.965	1.3677	542.015	1.4111
538.89	1.3773	539.94	1.3384	540.990	1.3675	542.040	1.4124
538.916	1.3787	539.966	1.3388	541.015	1.3672	542.065	1.4136
538.94	1.3132	539.99	1.3475	541.040	1.3502	542.090	1.3652
538.966	1.3144	540.016	1.3479	541.065	1.3497	542.115	1.3746
538.99	1.3154	540.04	1.3400	541.090	1.3658	542.140	1.4255
539.016	1.3580	540.066	1.3404	541.115	1.3654	542.165	1.4265
539.04	1.3588	540.09	1.3409	541.140	1.3652	542.190	1.4274
539.066	1.3429	540.116	1.3497	541.165	1.3818	542.215	1.4449
539.09	1.3520	540.14	1.3504	541.190	1.3819	542.240	1.4455
539.116	1.3445	540.166	1.3428	541.215	1.3244	542.265	1.4045
539.14	1.3870	540.19	1.3437	541.240	1.3166	542.290	1.4049
539.166	1.3878	540.216	1.3447	541.265	1.3172	542.315	1.4053
539.19	1.3300	540.24	1.3876	541.290	1.3839	542.340	1.3974
539.216	1.3307	540.266	1.3888	541.315	1.3846	542.365	1.4060
539.24	1.4406	540.29	1.3319	541.340	1.3938	542.389	1.4564
539.266	1.4499	540.316	1.3333	541.365	1.4114	542.414	1.4484
539.29	1.4422	540.34	1.3347	541.390	1.3957	542.439	1.4489
539.316	1.4430	540.366	1.3194	541.415	1.3885	542.464	1.4079
539.34	1.4524	540.39	1.3206	541.440	1.3896	542.489	1.4085
539.366	1.4447	540.416	1.3547	541.465	1.3330	542.514	1.4342



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
542.539	1.4349	543.589	1.4184	544.638	1.3396	545.688	1.3361
542.564	1.4191	543.614	1.4522	544.663	1.3727	545.713	1.3454
542.589	1.4117	543.639	1.4529	544.688	1.3735	545.738	1.3547
542.614	1.4126	543.664	1.4536	544.713	1.3744	545.763	1.3559
542.639	1.4135	543.689	1.4710	544.738	1.3754	545.788	1.3009
542.664	1.4145	543.714	1.4717	544.763	1.3764	545.813	1.3018
542.689	1.4404	543.739	1.4559	544.788	1.3774	545.838	1.3105
542.714	1.4414	543.764	1.4566	544.813	1.3785	545.862	1.3111
542.739	1.4424	543.789	1.4573	544.838	1.3795	545.887	1.3036
542.764	1.4601	543.814	1.4747	544.863	1.3805	545.912	1.3041
542.789	1.4612	543.839	1.4754	544.888	1.3897	545.937	1.3046
542.814	1.4456	543.864	1.4263	544.913	1.3745	545.962	1.3051
542.839	1.4467	543.889	1.4269	544.938	1.3756	545.987	1.3057
542.864	1.4479	543.914	1.4275	544.963	1.3282	546.012	1.2906
542.889	1.5330	543.939	1.4445	544.988	1.3293	546.037	1.2914
542.914	1.5341	543.964	1.4449	545.013	1.3223	546.062	1.2923
542.939	1.4845	543.989	1.4041	545.038	1.3555	546.087	1.2933
542.964	1.4938	544.014	1.4209	545.063	1.3564	546.112	1.2944
542.989	1.4863	544.039	1.4130	545.088	1.3814	546.137	1.2482
543.014	1.5546	544.063	1.4216	545.113	1.3820	546.162	1.2495
543.039	1.5552	544.089	1.4137	545.138	1.3825	546.187	1.2351
543.064	1.4465	544.113	1.3569	545.163	1.3910	546.212	1.2994
543.089	1.4554	544.138	1.3574	545.188	1.3912	546.237	1.3007
543.114	1.4560	544.163	1.4234	545.213	1.4652	546.262	1.2155
543.139	1.4901	544.188	1.4159	545.238	1.4654	546.287	1.2167
543.164	1.4908	544.213	1.4250	545.263	1.4656	546.312	1.2101
543.189	1.4917	544.238	1.3605	545.288	1.5491	546.337	1.3056
543.214	1.4927	544.263	1.3616	545.313	1.5495	546.362	1.3068
543.239	1.5529	544.288	1.3790	545.338	1.4667	546.387	1.3001
543.264	1.5626	544.313	1.3802	545.363	1.4673	546.412	1.2934
543.289	1.5640	544.338	1.3977	545.388	1.4680	546.437	1.2948
543.314	1.4978	544.363	1.3418	545.413	1.4278	546.462	1.3121
543.339	1.5161	544.388	1.3348	545.438	1.4287	546.487	1.3136
543.364	1.4423	544.413	1.3438	545.463	1.4134	546.512	1.3152
543.389	1.4437	544.438	1.3445	545.488	1.4146	546.537	1.3168
543.414	1.4450	544.463	1.3451	545.513	1.4158	546.562	1.3183
543.439	1.4049	544.488	1.3132	545.538	1.4007	546.587	1.2882
543.464	1.3977	544.513	1.3136	545.563	1.3776	546.612	1.2896
543.489	1.4732	544.538	1.3138	545.588	1.3952	546.637	1.2673
543.514	1.4741	544.563	1.3141	545.613	1.3965	546.662	1.2606
543.539	1.4749	544.588	1.3144	545.638	1.3979	546.687	1.3246
543.564	1.4177	544.613	1.3390	545.663	1.3347	546.712	1.3254



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
546.737	1.3260	547.786	1.4230	548.836	1.4460	549.885	1.3043
546.762	1.2556	547.81	1.3601	548.86	1.3904	549.910	1.3213
546.787	1.2404	547.836	1.3693	548.886	1.3909	549.935	1.3227
546.812	1.3114	547.86	1.4834	548.91	1.3284	549.960	1.2931
546.837	1.3117	547.886	1.4765	548.936	1.3291	549.985	1.2946
546.862	1.3120	547.91	1.4859	548.96	1.3300	550.010	1.3271
546.887	1.3281	547.936	1.4384	548.986	1.3468	550.035	1.3285
546.912	1.3285	547.96	1.4395	549.01	1.3479	550.060	1.3297
546.937	1.3130	547.986	1.4486	549.036	1.3098	550.085	1.2764
546.962	1.3135	548.01	1.4496	549.06	1.3032	550.110	1.2774
546.987	1.3139	548.036	1.4504	549.086	1.3043	550.135	1.3325
547.012	1.3144	548.06	1.4673	549.11	1.3131	550.160	1.3332
547.037	1.3150	548.086	1.4596	549.136	1.3140	550.185	1.3416
547.062	1.3314	548.11	1.4843	549.16	1.3540	550.210	1.3188
547.087	1.3319	548.136	1.4844	549.186	1.3546	550.235	1.3195
547.112	1.3324	548.16	1.4844	549.21	1.3551	550.260	1.3046
547.137	1.3487	548.186	1.4680	549.236	1.3554	550.285	1.3054
547.162	1.3492	548.21	1.4597	549.26	1.3556	550.310	1.3062
547.187	1.3495	548.236	1.4839	549.286	1.3637	550.335	1.3072
547.212	1.3499	548.26	1.4837	549.31	1.3560	550.360	1.3083
547.237	1.3582	548.286	1.4756	549.336	1.4038	550.385	1.3094
547.262	1.2873	548.31	1.5003	549.36	1.4042	550.410	1.3105
547.287	1.2876	548.336	1.4845	549.385	1.4048	550.435	1.3116
547.312	1.4075	548.36	1.4690	549.41	1.3897	550.460	1.3436
547.337	1.4079	548.386	1.4700	549.435	1.3907	550.485	1.3444
547.362	1.4085	548.41	1.3669	549.460	1.3918	550.510	1.3607
547.387	1.4414	548.436	1.3686	549.485	1.3930	550.535	1.3768
547.412	1.4420	548.46	1.3704	549.510	1.3943	550.560	1.3146
547.437	1.3943	548.486	1.3963	549.535	1.4114	550.585	1.3147
547.462	1.3950	548.51	1.3985	549.560	1.4126	550.610	1.3223
547.487	1.3240	548.536	1.3292	549.585	1.3425	550.635	1.2757
547.512	1.3248	548.56	1.3313	549.610	1.3435	550.660	1.2754
547.537	1.3257	548.586	1.3334	549.635	1.3364	550.685	1.3059
547.562	1.3582	548.61	1.3352	549.660	1.3449	550.710	1.2978
547.587	1.3591	548.636	1.3368	549.685	1.3455	550.735	1.2976
547.612	1.3999	548.66	1.3382	549.710	1.3459	550.760	1.2589
547.636	1.4007	548.686	1.3394	549.735	1.3464	550.785	1.2588
547.66	1.4016	548.71	1.3402	549.760	1.3468	550.810	1.2896
547.686	1.4672	548.736	1.4605	549.785	1.3474	550.835	1.2898
547.71	1.4682	548.76	1.4529	549.810	1.3481	550.860	1.2901
547.736	1.4207	548.786	1.4453	549.835	1.3021	550.885	1.3059
547.76	1.4218	548.81	1.4456	549.860	1.3031	550.910	1.3141



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
550.935	1.3146	551.984	1.1606	553.033	1.2524	554.083	1.2049
550.960	1.3151	552.009	1.1693	553.058	1.2523	554.108	1.2054
550.984	1.3158	552.034	1.1705	553.083	1.3209	554.133	1.1762
551.010	1.3320	552.059	1.1569	553.108	1.3208	554.158	1.1768
551.035	1.3329	552.084	1.1584	553.133	1.3208	554.183	1.1774
551.060	1.3105	552.109	1.1078	553.158	1.2369	554.208	1.1707
551.085	1.3115	552.134	1.1093	553.183	1.2371	554.233	1.1715
551.109	1.3048	552.159	1.1107	553.208	1.2223	554.258	1.2246
551.134	1.2368	552.184	1.1492	553.233	1.2227	554.283	1.2255
551.159	1.2378	552.209	1.1503	553.258	1.2309	554.308	1.2265
551.184	1.2617	552.234	1.1662	553.283	1.2543	554.333	1.2274
551.209	1.2624	552.259	1.1670	553.308	1.2552	554.358	1.2283
551.234	1.2629	552.284	1.1975	553.333	1.2562	554.383	1.1844
551.259	1.2326	552.309	1.1903	553.358	1.2574	554.408	1.1927
551.284	1.2250	552.334	1.1905	553.383	1.2586	554.433	1.1860
551.309	1.2248	552.359	1.2664	553.408	1.2599	554.458	1.2615
551.334	1.2244	552.384	1.2664	553.433	1.2612	554.483	1.2621
551.359	1.2239	552.409	1.2665	553.458	1.2323	554.508	1.2402
551.384	1.2005	552.434	1.2666	553.483	1.2338	554.533	1.2407
551.409	1.2000	552.459	1.2668	553.508	1.2352	554.558	1.2488
551.434	1.2148	552.484	1.3208	553.533	1.2367	554.583	1.2344
551.459	1.2145	552.509	1.3211	553.558	1.2381	554.608	1.2425
551.484	1.1992	552.534	1.2601	553.583	1.2020	554.633	1.2057
551.509	1.1992	552.559	1.2605	553.608	1.2033	554.658	1.2063
551.534	1.2071	552.584	1.2609	553.633	1.2046	554.682	1.2069
551.559	1.2152	552.609	1.2614	553.658	1.1389	554.708	1.2075
551.584	1.2158	552.634	1.2696	553.683	1.1401	554.732	1.2230
551.609	1.1713	552.659	1.2247	553.708	1.1559	554.757	1.1863
551.634	1.1724	552.684	1.2255	553.733	1.1569	554.782	1.1867
551.659	1.1736	552.709	1.2264	553.758	1.1578	554.807	1.1945
551.684	1.2204	552.734	1.1898	553.783	1.2108	554.832	1.1948
551.709	1.2219	552.759	1.1910	553.808	1.2041	554.857	1.1950
551.734	1.1780	552.784	1.1923	553.833	1.2125	554.882	1.1952
551.759	1.1796	552.809	1.1862	553.858	1.2133	554.907	1.1878
551.784	1.1811	552.834	1.1950	553.883	1.2669	554.932	1.1582
551.809	1.2128	552.859	1.2490	553.908	1.2753	554.957	1.1583
551.834	1.2141	552.883	1.2500	553.933	1.2686	554.982	1.1805
551.859	1.1852	552.909	1.1906	553.958	1.2467	555.007	1.1732
551.884	1.1863	552.933	1.1987	553.983	1.2550	555.032	1.1660
551.909	1.1874	552.958	1.1917	554.008	1.2708	555.057	1.1515
551.934	1.1885	552.983	1.2371	554.033	1.2715	555.082	1.1445
551.959	1.1895	553.008	1.2372	554.058	1.2720	555.107	1.1449



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
555.132	1.1602	556.182	1.0968	557.23	1.0724	558.280	0.9987
555.157	1.1608	556.207	1.0897	557.256	1.0737	558.305	0.9989
555.182	1.1467	556.232	1.0466	557.28	1.0749	558.330	0.9363
555.207	1.1473	556.257	1.0469	557.306	1.0761	558.355	0.9370
555.232	1.1478	556.282	1.0473	557.33	1.1133	558.380	0.9588
555.257	1.1484	556.307	1.1057	557.356	1.1144	558.405	0.9598
555.282	1.1489	556.332	1.1063	557.38	1.1009	558.430	0.9608
555.307	1.1938	556.357	1.0999	557.406	1.0658	558.455	0.9340
555.332	1.1944	556.382	1.1081	557.43	1.0593	558.480	0.9420
555.357	1.1950	556.407	1.0947	557.456	1.0528	558.505	0.9291
555.382	1.1440	556.432	1.0959	557.48	1.0533	558.530	0.9299
555.407	1.1521	556.457	1.0972	557.506	1.0537	558.555	0.9307
555.432	1.1383	556.48	1.0480	557.53	1.0900	558.580	0.9036
555.457	1.1392	556.506	1.0493	557.556	1.0904	558.605	0.9041
555.482	1.1476	556.53	1.1082	557.58	1.0053	558.630	0.9046
555.507	1.2078	556.556	1.1093	557.606	1.0057	558.655	0.9051
555.532	1.2089	556.58	1.1101	557.63	1.0062	558.680	0.9055
555.557	1.1877	556.606	1.0602	557.656	0.9927	558.705	0.9408
555.582	1.1814	556.63	1.0608	557.68	1.0003	558.730	0.9483
555.607	1.2047	556.656	1.1335	557.706	1.0293	558.755	0.9350
555.632	1.2056	556.68	1.1338	557.73	1.0300	558.780	0.9357
555.657	1.2064	556.706	1.1341	557.756	1.0307	558.805	0.9364
555.682	1.1479	556.73	1.1343	557.78	1.0242	558.830	0.9232
555.707	1.1483	556.756	1.1274	557.806	1.0177	558.855	0.9239
555.732	1.1265	556.78	1.1351	557.83	1.0112	558.880	0.9107
555.757	1.1193	556.806	1.1356	557.856	1.0047	558.905	0.9112
555.782	1.1193	556.83	1.1362	557.88	1.0123	558.930	0.9533
555.807	1.1120	556.856	1.1369	557.906	1.0269	558.955	0.9467
555.832	1.1121	556.88	1.1376	557.93	1.0274	558.980	0.9469
555.857	1.0832	556.906	1.0589	557.956	0.9573	559.005	0.9261
555.882	1.0908	556.93	1.0526	557.98	0.9577	559.030	0.9260
555.907	1.0913	556.956	1.0607	558.006	0.9790	559.055	0.9051
555.932	1.0992	556.98	1.0616	558.03	1.0074	559.080	0.8980
555.957	1.0999	557.006	1.0626	558.056	1.0074	559.105	0.9047
555.982	1.1006	557.03	1.0707	558.08	0.9862	559.130	0.8908
556.007	1.1014	557.056	1.0717	558.105	0.9861	559.155	0.8907
556.032	1.1020	557.08	1.0727	558.13	0.9858	559.180	0.9184
556.057	1.0664	557.106	1.1171	558.156	0.9855	559.205	0.9186
556.082	1.0452	557.13	1.1181	558.180	0.9851	559.230	0.9121
556.107	1.0744	557.156	1.0759	558.206	1.0272	559.255	0.8989
556.132	1.0747	557.18	1.0699	558.230	1.0270	559.280	0.8929
556.157	1.0749	557.206	1.0711	558.255	0.9986	559.305	0.8803



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
559.330	0.8817	560.379	0.9013	561.429	0.9620	562.478	1.0330
559.355	0.8834	560.404	0.9018	561.454	0.9765	562.503	1.0056
559.380	0.8990	560.429	0.9367	561.479	0.9772	562.528	1.0060
559.405	0.8874	560.454	0.9439	561.504	0.9780	562.553	1.0063
559.430	0.8759	560.479	0.9511	561.529	0.9373	562.578	0.9926
559.455	0.8851	560.504	0.9514	561.554	0.9451	562.603	0.9929
559.480	0.8806	560.529	0.9308	561.579	0.9185	562.628	1.0560
559.505	0.8830	560.554	0.9309	561.604	0.9196	562.653	1.0424
559.530	0.8853	560.579	0.9311	561.629	0.9206	562.678	1.0499
559.555	0.9150	560.604	0.9313	561.654	0.9561	562.703	1.0434
559.580	0.9169	560.629	0.9315	561.679	0.9641	562.728	1.0441
559.605	0.9186	560.654	0.9664	561.704	0.9859	562.753	1.0239
559.630	0.9200	560.679	0.9737	561.729	0.9869	562.778	1.0247
559.655	0.9211	560.704	0.9671	561.753	0.9877	562.803	1.0255
559.680	0.9082	560.729	0.9466	561.779	1.0023	562.828	1.0402
559.705	0.9087	560.754	0.9468	561.803	1.0098	562.853	1.0339
559.730	0.9435	560.779	1.0027	561.828	1.0172	562.878	1.0624
559.755	0.9437	560.804	1.0028	561.853	1.0174	562.903	1.0698
559.780	0.9436	560.829	1.0097	561.878	1.0105	562.928	1.0630
559.805	0.9227	560.854	1.0096	561.903	1.0245	562.953	1.0913
559.830	0.9155	560.879	1.0024	561.928	1.0244	562.978	1.0914
559.854	0.9221	560.904	0.9882	561.953	0.9894	563.003	1.1340
559.880	0.9217	560.929	0.9881	561.978	0.9893	563.028	1.1270
559.905	0.9214	560.954	0.9880	562.003	0.9893	563.053	1.1200
559.930	0.8662	560.979	1.0020	562.028	1.0594	563.078	1.1275
559.955	0.8660	561.004	1.0023	562.053	1.0597	563.103	1.1280
559.979	0.8932	561.029	0.9817	562.078	1.0671	563.128	1.0933
560.004	0.8932	561.054	0.9822	562.103	1.0675	563.153	1.0942
560.029	0.8934	561.079	0.9829	562.128	1.0681	563.178	1.0953
560.054	0.8936	561.104	0.9837	562.153	1.0406	563.203	1.0966
560.079	0.8940	561.129	0.9845	562.178	1.0484	563.228	1.0980
560.104	0.9083	561.154	0.9853	562.203	1.0352	563.253	1.0923
560.129	0.9089	561.179	0.9861	562.228	1.0292	563.278	1.0938
560.154	0.9095	561.204	0.9867	562.253	1.0233	563.303	1.0599
560.179	0.9101	561.229	0.9873	562.278	1.0174	563.328	1.0612
560.204	0.9108	561.254	0.9877	562.303	1.0186	563.353	1.0624
560.229	0.9115	561.279	0.9602	562.328	1.0198	563.378	1.1198
560.254	0.9121	561.304	0.9604	562.353	1.0211	563.403	1.1207
560.279	0.9128	561.329	0.9606	562.378	1.0014	563.428	1.1356
560.304	0.8996	561.354	0.9609	562.403	1.0025	563.453	1.1290
560.329	0.9002	561.379	0.9612	562.428	1.0035	563.478	1.1366
560.354	0.9008	561.404	0.9616	562.453	1.0253	563.503	1.1226



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
563.528	1.1228	564.577	1.1900	565.626	1.0969	566.676	0.9422
563.552	1.1943	564.602	1.2343	565.65	1.0629	566.70	0.9630
563.577	1.1944	564.627	1.2354	565.676	1.0640	566.726	0.9633
563.602	1.2016	564.652	1.2726	565.70	1.0791	566.75	0.9432
563.628	1.1729	564.677	1.2734	565.726	1.0803	566.776	0.9504
563.652	1.1730	564.702	1.2740	565.75	1.0815	566.80	0.9440
563.677	1.1947	564.727	1.2382	565.776	1.0478	566.826	0.9376
563.702	1.2021	564.752	1.2386	565.80	1.0419	566.85	0.9380
563.727	1.2096	564.777	1.1669	565.826	1.0498	566.876	0.9520
563.752	1.1883	564.802	1.1741	565.85	1.0437	566.90	0.9525
563.777	1.1887	564.827	1.1741	565.876	1.0445	566.926	0.9529
563.802	1.2980	564.852	1.1739	565.90	0.9967	566.95	0.9465
563.827	1.2985	564.877	1.1664	565.926	0.9972	566.976	0.9470
563.852	1.2262	564.902	1.0882	565.95	1.0115	567.00	0.9475
563.877	1.2267	564.927	1.0878	565.976	1.0119	567.026	0.9480
563.902	1.2273	564.952	1.0874	566.00	1.0124	567.050	0.9485
563.927	1.1919	564.977	1.0730	566.026	0.9445	567.076	0.9423
563.952	1.1926	565.002	1.0798	566.05	0.9519	567.100	0.9430
563.977	1.0796	565.027	1.1219	566.076	0.9799	567.125	0.9233
564.002	1.0733	565.052	1.1218	566.10	0.9807	567.150	0.9240
564.027	1.0881	565.077	1.1220	566.126	0.9814	567.175	0.8978
564.052	1.0888	565.102	1.0730	566.15	0.9548	567.200	0.8986
564.077	1.0895	565.127	1.0733	566.176	0.9554	567.225	0.8927
564.102	1.1325	565.152	1.0529	566.20	0.9288	567.250	0.9002
564.127	1.1330	565.177	1.0534	566.226	0.9293	567.275	0.9010
564.152	1.1334	565.202	1.0541	566.25	0.9297	567.300	0.9152
564.177	1.1124	565.227	1.0061	566.276	0.9437	567.325	0.9159
564.202	1.1125	565.252	1.0066	566.30	0.9439	567.350	0.9166
564.227	1.1125	565.276	1.0418	566.326	0.9035	567.375	0.9645
564.252	1.1123	565.30	1.0353	566.35	0.9038	567.400	0.9650
564.277	1.1121	565.326	1.0427	566.376	0.9447	567.425	1.0064
564.302	1.1332	565.35	1.0569	566.40	0.9450	567.450	1.0067
564.327	1.1330	565.376	1.0572	566.426	0.9454	567.475	1.0070
564.352	1.1829	565.40	1.0714	566.45	0.9119	567.500	1.0073
564.377	1.1830	565.426	1.0716	566.476	0.9123	567.525	1.0075
564.402	1.1832	565.45	1.0719	566.50	0.9330	567.550	0.9804
564.427	1.2342	565.476	1.0792	566.526	0.9335	567.575	0.9806
564.452	1.2349	565.50	1.0796	566.55	0.9339	567.600	0.9808
564.477	1.2141	565.526	1.0940	566.576	0.9342	567.625	1.0153
564.502	1.2152	565.55	1.1016	566.60	0.9346	567.650	1.0155
564.527	1.2164	565.576	1.1023	566.626	0.9417	567.675	0.9815
564.552	1.1888	565.60	1.0960	566.65	0.9419	567.700	0.9817



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
567.725	0.9819	568.775	1.0432	569.824	0.9556	570.873	1.2225
567.750	1.0302	568.799	0.9817	569.849	0.9560	570.898	1.2225
567.775	1.0306	568.825	0.9817	569.874	0.9495	570.923	1.2226
567.800	1.0173	568.849	0.9816	569.899	0.9904	570.948	1.1663
567.825	1.0177	568.874	0.9815	569.924	0.9906	570.973	1.1668
567.850	1.0182	568.899	0.9342	569.949	0.9908	570.998	1.0908
567.875	1.0118	568.924	0.9342	569.974	0.9910	571.023	1.0917
567.900	1.0123	568.949	0.9344	569.999	0.9913	571.048	1.0929
567.925	0.9990	568.974	0.9549	570.024	0.9712	571.073	1.0804
567.950	0.9994	568.999	0.9553	570.049	0.9715	571.098	1.0819
567.975	1.0341	569.024	0.9828	570.074	0.9449	571.123	1.1390
568.000	1.0345	569.049	0.9831	570.099	0.9454	571.148	1.1335
568.025	1.0349	569.074	0.9834	570.124	0.9460	571.173	1.1350
568.050	1.0216	569.099	0.9837	570.149	1.0077	571.198	1.1574
568.075	1.0222	569.124	0.9838	570.174	1.0084	571.223	1.1517
568.100	1.0229	569.149	0.9975	570.199	1.0091	571.248	1.1879
568.125	1.0238	569.174	0.9974	570.224	1.0097	571.273	1.1888
568.150	1.0247	569.199	0.9904	570.249	1.0103	571.298	1.1545
568.175	1.0671	569.224	1.0244	570.274	1.0246	571.323	1.1552
568.200	1.0681	569.249	1.0242	570.299	1.0182	571.348	1.1558
568.225	1.0691	569.274	1.0240	570.324	1.0049	571.373	1.1355
568.250	1.0701	569.299	1.0170	570.349	1.0119	571.398	1.1360
568.275	1.0709	569.324	1.0169	570.374	1.0122	571.423	1.1088
568.300	1.0785	569.349	0.9828	570.399	1.0535	571.448	1.1093
568.325	1.0791	569.374	0.9829	570.424	1.0537	571.473	1.1097
568.350	1.0866	569.399	0.9560	570.449	1.0128	571.498	1.0825
568.375	1.0870	569.424	0.9631	570.474	1.0132	571.523	1.0828
568.400	1.0874	569.449	0.9635	570.499	1.0341	571.548	1.0969
568.425	1.1088	569.474	0.9843	570.524	1.0415	571.573	1.0971
568.450	1.1093	569.499	0.9847	570.549	1.0420	571.598	1.0972
568.475	1.1029	569.524	0.9716	570.574	1.0631	571.623	1.0834
568.500	1.1036	569.549	0.9856	570.598	1.0636	571.648	1.0902
568.525	1.1044	569.574	0.9860	570.623	1.1054	571.673	1.1108
568.550	1.0914	569.599	0.9863	570.648	1.1056	571.698	1.1105
568.575	1.0924	569.624	0.9866	570.673	1.1056	571.723	1.1103
568.600	1.0658	569.649	0.9531	570.698	1.1683	571.748	1.1239
568.625	1.0668	569.674	0.9534	570.723	1.1680	571.773	1.1236
568.650	1.0678	569.699	0.9268	570.748	1.1048	571.798	1.0818
568.675	1.0688	569.724	0.9271	570.773	1.1043	571.823	1.0817
568.700	1.0695	569.749	0.9342	570.798	1.1039	571.848	1.0817
568.725	1.0426	569.774	0.9549	570.823	1.1735	571.873	1.0748
568.750	1.0430	569.799	0.9553	570.848	1.1802	571.898	1.0751



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
571.923	1.0823	572.972	1.0045	574.022	0.9373	575.07	0.9075
571.948	1.0827	572.997	1.0047	574.047	0.9379	575.096	0.9073
571.973	1.0833	573.022	0.9914	574.072	0.8987	575.12	0.8411
571.998	1.1255	573.047	0.9916	574.096	0.9060	575.146	0.8341
572.023	1.1262	573.072	0.9918	574.12	0.9067	575.17	0.8337
572.048	1.0442	573.097	1.0395	574.146	0.9273	575.196	0.8333
572.073	1.0519	573.122	1.0398	574.17	0.9347	575.22	0.8331
572.098	1.0459	573.147	0.9925	574.196	0.9020	575.246	0.8527
572.123	1.1575	573.172	0.9928	574.22	0.9025	575.27	0.8529
572.148	1.1583	573.197	0.9932	574.246	0.9029	575.296	0.8142
572.173	1.1522	573.222	0.9800	574.27	0.9099	575.32	0.8148
572.198	1.1530	573.247	0.9803	574.296	0.9035	575.346	0.8156
572.222	1.1676	573.272	0.9806	574.32	0.9037	575.37	0.8035
572.247	1.1682	573.297	0.9809	574.346	0.9039	575.396	0.8045
572.273	1.1686	573.322	0.9811	574.37	0.9040	575.42	0.8251
572.297	1.1201	573.347	1.0015	574.396	0.9306	575.446	0.8261
572.323	1.1203	573.372	0.9950	574.42	0.9307	575.47	0.8335
572.347	1.0446	573.397	0.9951	574.446	0.9174	575.496	0.8409
572.372	1.0446	573.422	1.0088	574.47	0.9174	575.52	0.8416
572.397	1.0445	573.447	0.9955	574.496	0.9174	575.546	0.8423
572.422	1.0580	573.472	0.9087	574.52	0.9040	575.57	0.8428
572.447	1.0716	573.497	0.9090	574.546	0.9039	575.596	0.8433
572.472	1.0851	573.522	0.9361	574.57	0.8972	575.62	0.8372
572.497	1.0849	573.547	0.9367	574.596	0.8971	575.646	0.8310
572.522	1.0847	573.572	0.9374	574.62	0.8705	575.67	0.8118
572.547	1.0433	573.597	0.9852	574.646	0.8704	575.696	0.8121
572.572	1.0432	573.622	0.9861	574.67	0.8702	575.72	0.8124
572.597	1.0296	573.647	0.9402	574.696	0.9163	575.746	0.8257
572.622	1.0298	573.672	0.9413	574.72	0.9162	575.77	0.8259
572.647	1.0301	573.697	0.9424	574.746	0.8699	575.795	0.8001
572.672	1.0306	573.722	0.9771	574.77	0.8699	575.82	0.8003
572.697	1.0312	573.747	0.9782	574.796	0.8701	575.846	0.8005
572.722	1.0593	573.772	0.9190	574.82	0.8704	575.870	0.7878
572.747	1.0532	573.797	0.9199	574.846	0.8708	575.896	0.7881
572.772	1.0609	573.822	0.9206	574.87	0.8516	575.920	0.7626
572.797	1.0755	573.847	0.9212	574.896	0.8522	575.945	0.7694
572.822	1.0764	573.872	0.9216	574.92	0.8529	575.970	0.7764
572.847	1.0361	573.897	0.8955	574.946	0.9129	575.995	0.7833
572.872	1.0367	573.922	0.8958	574.97	0.9068	576.020	0.7840
572.897	1.0441	573.947	0.9359	574.996	0.9205	576.045	0.7589
572.922	0.9903	573.97	0.9363	575.02	0.9208	576.070	0.7595
572.947	0.9907	573.997	0.9301	575.046	0.9209	576.095	0.7859



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
576.120	0.7801	577.170	0.8038	578.219	0.7210	579.269	0.7827
576.145	0.7871	577.195	0.8040	578.244	0.7213	579.294	0.7767
576.170	0.7875	577.220	0.7849	578.269	0.7534	579.318	0.7963
576.195	0.7879	577.245	0.7852	578.294	0.7602	579.343	0.7838
576.220	0.7496	577.270	0.8437	578.319	0.7224	579.369	0.7968
576.245	0.7498	577.295	0.8438	578.344	0.7166	579.393	0.7970
576.270	0.7564	577.320	0.8374	578.369	0.7235	579.418	0.8489
576.295	0.7951	577.345	0.7985	578.394	0.7497	579.443	0.8491
576.320	0.7952	577.370	0.8116	578.419	0.7504	579.468	0.8428
576.345	0.7952	577.395	0.7858	578.444	0.7576	579.493	0.7979
576.370	0.7953	577.420	0.7861	578.469	0.7583	579.518	0.7981
576.395	0.7954	577.445	0.7864	578.494	0.7591	579.543	0.7985
576.420	0.7955	577.470	0.7611	578.519	0.7533	579.568	0.8053
576.445	0.8021	577.495	0.7618	578.544	0.7539	579.593	0.7993
576.470	0.8022	577.520	0.7754	578.569	0.7607	579.618	0.8127
576.495	0.7959	577.545	0.7764	578.594	0.7610	579.643	0.8132
576.520	0.7961	577.570	0.7775	578.619	0.7294	579.668	0.8009
576.545	0.7964	577.595	0.7658	578.644	0.7231	579.693	0.8015
576.570	0.7967	577.620	0.7671	578.669	0.7294	579.718	0.8021
576.595	0.7905	577.645	0.7428	578.694	0.7548	579.743	0.8026
576.620	0.7909	577.669	0.7440	578.719	0.7547	579.768	0.8031
576.645	0.7913	577.695	0.7452	578.744	0.7545	579.793	0.8164
576.670	0.7853	577.719	0.7591	578.769	0.7543	579.818	0.8167
576.695	0.7793	577.744	0.7601	578.794	0.7541	579.843	0.8170
576.720	0.7540	577.769	0.7737	578.819	0.7989	579.868	0.8301
576.745	0.7544	577.794	0.7744	578.844	0.8053	579.893	0.8302
576.770	0.7547	577.819	0.7750	578.869	0.7732	579.918	0.8044
576.795	0.7550	577.844	0.7755	578.894	0.7733	579.943	0.8044
576.820	0.7553	577.869	0.7759	578.919	0.7736	579.968	0.8044
576.845	0.7683	577.894	0.7506	578.944	0.7997	579.993	0.8302
576.870	0.7685	577.919	0.7445	578.969	0.8002	580.018	0.8303
576.895	0.7431	577.944	0.7832	578.994	0.8266	580.043	0.8370
576.920	0.7433	577.969	0.7770	579.019	0.8143	580.068	0.8244
576.945	0.7435	577.994	0.7771	579.044	0.8216	580.093	0.8442
576.970	0.7886	578.019	0.7453	579.069	0.7901	580.118	0.8061
576.995	0.7953	578.044	0.7454	579.094	0.7909	580.143	0.8068
577.020	0.8020	578.069	0.7455	579.119	0.7917	580.168	0.8462
577.045	0.8023	578.094	0.7456	579.144	0.7925	580.193	0.8470
577.070	0.8026	578.119	0.7458	579.169	0.7932	580.218	0.7963
577.095	0.8158	578.144	0.7779	579.194	0.7619	580.243	0.7971
577.120	0.8161	578.169	0.7781	579.219	0.7625	580.268	0.7979
577.145	0.8034	578.194	0.7208	579.244	0.7694	580.293	0.7731



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
580.318	0.7802	581.367	0.7725	582.417	0.6430	583.466	0.6692
580.343	0.7618	581.392	0.7281	582.442	0.6621	583.49	0.6885
580.368	0.7561	581.417	0.7217	582.467	0.6626	583.516	0.6891
580.393	0.7568	581.442	0.7215	582.492	0.6756	583.54	0.6588
580.418	0.8022	581.467	0.7466	582.517	0.6325	583.566	0.6534
580.443	0.8029	581.492	0.7464	582.542	0.6392	583.59	0.6605
580.468	0.8164	581.517	0.7270	582.567	0.6459	583.616	0.6799
580.493	0.8106	581.542	0.7266	582.592	0.6464	583.64	0.6806
580.518	0.8240	581.567	0.7198	582.617	0.6468	583.666	0.6812
580.543	0.8117	581.592	0.7066	582.642	0.6659	583.69	0.6817
580.568	0.8057	581.617	0.7124	582.667	0.6662	583.716	0.6821
580.593	0.8318	581.642	0.7118	582.692	0.6356	583.74	0.6825
580.618	0.8451	581.667	0.7114	582.717	0.6359	583.766	0.6828
580.643	0.8326	581.692	0.7111	582.742	0.6672	583.79	0.6831
580.668	0.8073	581.717	0.7425	582.767	0.6737	583.816	0.6834
580.693	0.8078	581.742	0.7424	582.792	0.6678	583.84	0.6837
580.718	0.8084	581.767	0.6983	582.817	0.6371	583.866	0.6592
580.743	0.8090	581.792	0.6984	582.84	0.6375	583.89	0.6657
580.768	0.8097	581.817	0.6986	582.867	0.6939	583.916	0.6846
580.793	0.7911	581.842	0.6926	582.892	0.6944	583.94	0.6911
580.818	0.7918	581.867	0.6866	582.917	0.6950	583.966	0.6849
580.843	0.8373	581.892	0.6869	582.942	0.6644	583.99	0.6787
580.868	0.8377	581.917	0.6872	582.966	0.6650	584.016	0.6786
580.893	0.8317	581.942	0.7001	582.99	0.6657	584.04	0.6846
580.918	0.7998	581.967	0.7005	583.016	0.6664	584.066	0.6843
580.943	0.8001	581.992	0.7199	583.04	0.6670	584.09	0.6839
580.968	0.8003	582.017	0.6515	583.066	0.6864	584.116	0.6649
580.993	0.8005	582.042	0.6522	583.09	0.6870	584.14	0.6646
581.018	0.8008	582.067	0.6157	583.116	0.6688	584.166	0.6518
581.043	0.8397	582.092	0.6102	583.14	0.6692	584.19	0.6516
581.068	0.8402	582.117	0.6110	583.166	0.6696	584.216	0.6514
581.092	0.8150	582.142	0.6180	583.19	0.6760	584.24	0.6513
581.117	0.8155	582.167	0.6126	583.216	0.6761	584.266	0.6513
581.143	0.7777	582.192	0.6942	583.24	0.6698	584.29	0.6391
581.167	0.7846	582.217	0.7012	583.266	0.6697	584.316	0.6455
581.193	0.7786	582.242	0.6955	583.29	0.6695	584.34	0.6397
581.217	0.7598	582.267	0.6711	583.316	0.6754	584.366	0.7086
581.242	0.7600	582.292	0.6716	583.34	0.6751	584.39	0.7091
581.267	0.7474	582.317	0.6972	583.366	0.7124	584.416	0.6972
581.292	0.7474	582.342	0.7040	583.39	0.7186	584.44	0.6978
581.317	0.7473	582.367	0.6982	583.416	0.7124	584.466	0.6859
581.342	0.7726	582.392	0.6425	583.44	0.6688	584.49	0.6865



Table 3. Low Resolution Absorption Cross Section from 450-650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
584.516	0.6870	585.565	0.7101	586.614	0.7018	587.664	0.6955
584.54	0.6874	585.590	0.7362	586.639	0.6899	587.689	0.6954
584.566	0.6877	585.615	0.7373	586.664	0.6905	587.714	0.6953
584.59	0.6879	585.640	0.7261	586.689	0.7598	587.739	0.7075
584.616	0.6880	585.665	0.7275	586.714	0.7603	587.764	0.7073
584.64	0.6881	585.690	0.7227	586.739	0.7607	587.789	0.7069
584.666	0.7193	585.715	0.7180	586.764	0.7485	587.814	0.7066
584.69	0.7130	585.740	0.7195	586.789	0.7489	587.839	0.7063
584.716	0.6817	585.765	0.7086	586.814	0.7242	587.864	0.7247
584.740	0.6817	585.790	0.7100	586.839	0.7244	587.889	0.7245
584.766	0.6818	585.815	0.7113	586.864	0.7497	587.914	0.7181
584.790	0.7510	585.840	0.7249	586.889	0.7497	587.939	0.7181
584.815	0.7513	585.865	0.7257	586.914	0.7496	587.964	0.7182
584.840	0.7391	585.890	0.6826	586.939	0.7181	587.989	0.7372
584.865	0.7395	585.915	0.6828	586.964	0.7115	588.014	0.7376
584.890	0.7399	585.940	0.6827	586.989	0.7173	588.039	0.7505
584.915	0.7277	585.965	0.6822	587.014	0.7169	588.064	0.7510
584.940	0.7343	585.990	0.6815	587.039	0.7164	588.089	0.7515
584.965	0.7032	586.015	0.7241	587.064	0.7159	588.114	0.7270
584.990	0.7034	586.040	0.7229	587.089	0.7155	588.139	0.7275
585.015	0.7035	586.065	0.7216	587.114	0.6903	588.164	0.6970
585.040	0.6911	586.090	0.7203	587.139	0.6839	588.188	0.6976
585.065	0.7036	586.115	0.7192	587.164	0.6838	588.213	0.6982
585.090	0.7412	586.140	0.7308	587.189	0.7087	588.239	0.7677
585.115	0.7413	586.165	0.7301	587.214	0.7151	588.263	0.7746
585.140	0.7413	586.190	0.6985	587.239	0.6967	588.288	0.7249
585.165	0.7038	586.215	0.6985	587.264	0.6908	588.313	0.7253
585.190	0.7040	586.240	0.6987	587.289	0.6913	588.338	0.7256
585.215	0.7483	586.265	0.7306	587.314	0.7229	588.363	0.7571
585.240	0.7612	586.290	0.7314	587.339	0.7234	588.388	0.7572
585.265	0.7427	586.315	0.7011	587.364	0.6618	588.413	0.7698
585.290	0.7430	586.340	0.7023	587.389	0.6622	588.438	0.7761
585.315	0.7434	586.365	0.7035	587.414	0.6627	588.463	0.7698
585.340	0.6936	586.390	0.7048	587.439	0.6816	588.488	0.7699
585.365	0.6939	586.414	0.7061	587.464	0.6819	588.513	0.7764
585.390	0.6942	586.440	0.7387	587.489	0.7009	588.538	0.7704
585.415	0.6944	586.465	0.7399	587.514	0.7073	588.563	0.7709
585.440	0.6947	586.490	0.7411	587.539	0.7075	588.588	0.7841
585.465	0.6268	586.515	0.6860	587.564	0.7202	588.613	0.7847
585.490	0.6334	586.539	0.6869	587.589	0.7203	588.638	0.7855
585.515	0.7085	586.564	0.7003	587.614	0.7517	588.663	0.7611
585.540	0.7092	586.589	0.7011	587.639	0.7518	588.688	0.7619



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
588.713	0.7816	589.763	0.7338	590.812	0.8082	591.86	0.8081
588.738	0.7888	589.788	0.7342	590.837	0.8023	591.886	0.8084
588.763	0.7895	589.813	0.7347	590.862	0.8092	591.91	0.8213
588.788	0.7776	589.838	0.7538	590.887	0.8225	591.936	0.8215
588.813	0.7846	589.863	0.7542	590.912	0.8233	591.96	0.8216
588.838	0.7788	589.888	0.7796	590.937	0.8559	591.986	0.7963
588.863	0.7793	589.913	0.7798	590.962	0.8568	592.01	0.8089
588.888	0.7797	589.938	0.7799	590.987	0.8004	592.036	0.7962
588.913	0.7360	589.962	0.7673	591.012	0.8013	592.06	0.7960
588.938	0.7362	589.987	0.7672	591.037	0.8021	592.086	0.7959
588.963	0.7427	590.013	0.7795	591.062	0.8092	592.11	0.7959
588.988	0.7492	590.037	0.7793	591.087	0.8163	592.136	0.7961
589.013	0.7432	590.063	0.7790	591.112	0.7917	592.16	0.8091
589.038	0.7311	590.087	0.8039	591.137	0.7923	592.186	0.8160
589.063	0.7378	590.112	0.8035	591.162	0.7930	592.21	0.8168
589.088	0.7258	590.137	0.7968	591.187	0.7247	592.236	0.7989
589.113	0.7265	590.162	0.7900	591.212	0.7252	592.26	0.8002
589.138	0.7210	590.187	0.8149	591.237	0.7133	592.286	0.8141
589.163	0.7155	590.212	0.8081	591.262	0.7075	592.31	0.8155
589.188	0.7163	590.237	0.8140	591.287	0.7079	592.336	0.8167
589.213	0.6922	590.262	0.7946	591.312	0.6835	592.36	0.8305
589.238	0.6930	590.287	0.7879	591.337	0.6838	592.386	0.8313
589.263	0.6998	590.312	0.7876	591.362	0.7273	592.41	0.8318
589.288	0.7190	590.337	0.7875	591.387	0.7274	592.436	0.8319
589.313	0.7194	590.362	0.7939	591.412	0.7336	592.46	0.8317
589.338	0.7197	590.387	0.7877	591.437	0.7522	592.486	0.8248
589.363	0.7199	590.412	0.7944	591.462	0.7458	592.51	0.8178
589.388	0.7763	590.437	0.8013	591.487	0.7393	592.536	0.7166
589.413	0.7764	590.462	0.7956	591.512	0.7390	592.56	0.7156
589.438	0.7763	590.487	0.8026	591.537	0.7387	592.586	0.7146
589.463	0.7889	590.512	0.8288	591.562	0.7635	592.61	0.7324
589.488	0.7952	590.537	0.8232	591.587	0.7570	592.636	0.7317
589.513	0.7636	590.562	0.8303	591.612	0.7693	592.66	0.7562
589.538	0.7636	590.587	0.8246	591.637	0.7691	592.686	0.7497
589.563	0.7636	590.612	0.8252	591.662	0.7691	592.71	0.7559
589.588	0.7637	590.637	0.8511	591.687	0.7879	592.736	0.7559
589.613	0.7637	590.662	0.8514	591.71	0.7816	592.76	0.7561
589.638	0.7638	590.687	0.8198	591.737	0.7817	592.786	0.7563
589.663	0.7639	590.712	0.8200	591.762	0.7819	592.81	0.7565
589.688	0.7641	590.737	0.8138	591.786	0.7821	592.836	0.7566
589.713	0.7581	590.762	0.8522	591.812	0.8075	592.86	0.7566
589.738	0.7522	590.787	0.8524	591.836	0.8078	592.886	0.7566



Table 3. Low Resolution Absorption Cross Section from 450-650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
592.91	0.7815	593.960	0.7279	595.010	0.6100	596.059	0.5866
592.936	0.7751	593.985	0.7280	595.035	0.6100	596.084	0.5921
592.96	0.7748	594.010	0.7157	595.060	0.5918	596.109	0.5793
592.986	0.7746	594.035	0.7157	595.085	0.5920	596.134	0.5786
593.01	0.7744	594.060	0.7095	595.110	0.5803	596.159	0.5537
593.036	0.7867	594.085	0.7155	595.135	0.6050	596.184	0.5530
593.06	0.7866	594.110	0.7153	595.160	0.5996	596.209	0.5525
593.086	0.7865	594.135	0.7025	595.185	0.6004	596.234	0.5761
593.11	0.7864	594.160	0.7021	595.210	0.5951	596.259	0.5759
593.136	0.7865	594.185	0.7015	595.235	0.5717	596.284	0.5879
593.16	0.7929	594.210	0.6822	595.260	0.5846	596.309	0.5881
593.186	0.7868	594.235	0.6814	595.284	0.5733	596.334	0.5884
593.21	0.7746	594.260	0.6621	595.310	0.5498	596.359	0.6192
593.236	0.7752	594.285	0.6611	595.335	0.5503	596.384	0.6198
593.26	0.7760	594.310	0.6357	595.359	0.5326	596.409	0.6023
593.286	0.7706	594.335	0.6348	595.385	0.5328	596.434	0.6154
593.31	0.7716	594.360	0.6401	595.409	0.5329	596.459	0.6163
593.336	0.7477	594.385	0.6517	595.434	0.5510	596.484	0.5809
593.36	0.7488	594.410	0.6512	595.459	0.5510	596.509	0.5819
593.386	0.7436	594.435	0.6263	595.484	0.5510	596.534	0.5950
593.41	0.7072	594.460	0.6261	595.509	0.5510	596.559	0.5960
593.436	0.7080	594.485	0.6260	595.534	0.5510	596.584	0.5968
593.46	0.7025	594.510	0.6261	595.559	0.5751	596.609	0.5976
593.486	0.6906	594.535	0.6263	595.584	0.5752	596.634	0.5983
593.51	0.7095	594.560	0.6327	595.609	0.6117	596.659	0.5988
593.536	0.7098	594.585	0.6392	595.634	0.6118	596.684	0.5992
593.56	0.7100	594.610	0.6397	595.659	0.6119	596.709	0.5753
593.585	0.6854	594.635	0.5975	595.684	0.5818	596.734	0.5754
593.610	0.6857	594.660	0.5981	595.709	0.5881	596.759	0.5754
593.635	0.7231	594.685	0.6292	595.734	0.6066	596.784	0.5632
593.660	0.7297	594.710	0.6299	595.759	0.6130	596.809	0.5628
593.685	0.7239	594.735	0.6306	595.784	0.6074	596.834	0.5623
593.710	0.7243	594.760	0.6314	595.809	0.5897	596.859	0.5616
593.735	0.7186	594.785	0.6321	595.834	0.5903	596.884	0.5728
593.760	0.7253	594.810	0.6390	595.859	0.5910	596.909	0.5719
593.785	0.7258	594.835	0.6396	595.884	0.5916	596.934	0.5769
593.810	0.7263	594.860	0.6401	595.909	0.6043	596.958	0.5819
593.835	0.7019	594.885	0.6404	595.934	0.6230	596.984	0.5810
593.860	0.7022	594.910	0.6468	595.959	0.6295	597.009	0.5801
593.885	0.7398	594.935	0.6041	595.984	0.5391	597.033	0.5976
593.910	0.7463	594.960	0.6041	596.009	0.5331	597.058	0.6032
593.935	0.7527	594.985	0.6040	596.034	0.5930	597.083	0.5787



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
597.108	0.5788	598.158	0.5934	599.207	0.5872	600.257	0.6138
597.133	0.5853	598.183	0.5932	599.232	0.5934	600.282	0.5833
597.158	0.5920	598.208	0.5807	599.257	0.6120	600.307	0.5834
597.183	0.5928	598.233	0.5804	599.282	0.6124	600.332	0.5715
597.208	0.5515	598.258	0.6043	599.307	0.6373	600.357	0.5718
597.233	0.5526	598.283	0.6040	599.332	0.6257	600.382	0.5721
597.258	0.5536	598.308	0.5978	599.357	0.5657	600.407	0.6088
597.283	0.5545	598.333	0.5917	599.382	0.5662	600.432	0.6092
597.308	0.5554	598.358	0.5918	599.407	0.5667	600.457	0.6096
597.333	0.5862	598.383	0.6346	599.432	0.5671	600.482	0.6221
597.358	0.5867	598.408	0.6410	599.457	0.5673	600.507	0.6224
597.383	0.5870	598.433	0.6414	599.482	0.5434	600.532	0.6227
597.408	0.5752	598.458	0.5811	599.507	0.5435	600.557	0.6230
597.433	0.5753	598.483	0.5814	599.532	0.5495	600.58	0.6233
597.458	0.6238	598.508	0.5818	599.557	0.5795	600.607	0.5994
597.483	0.6238	598.533	0.5820	599.582	0.5794	600.632	0.5999
597.508	0.6238	598.558	0.6186	599.607	0.5913	600.656	0.5763
597.533	0.5873	598.583	0.6126	599.632	0.5911	600.682	0.5770
597.558	0.5873	598.608	0.6187	599.657	0.5910	600.706	0.5778
597.583	0.5993	598.633	0.6065	599.682	0.5426	600.73	0.6028
597.608	0.5992	598.658	0.6064	599.707	0.5425	600.756	0.6036
597.633	0.5990	598.683	0.6185	599.732	0.5785	600.78	0.5921
597.658	0.5988	598.708	0.6183	599.757	0.5784	600.806	0.5927
597.683	0.5986	598.733	0.6181	599.782	0.5784	600.83	0.5930
597.708	0.6227	598.758	0.6058	599.807	0.5783	600.856	0.5932
597.733	0.6164	598.782	0.6057	599.832	0.5782	600.88	0.5932
597.758	0.6590	598.807	0.6055	599.857	0.5419	600.906	0.5809
597.783	0.6589	598.832	0.6054	599.882	0.5477	600.93	0.5806
597.808	0.6589	598.857	0.6052	599.907	0.5414	600.956	0.6168
597.833	0.6651	598.883	0.6292	599.932	0.5291	600.98	0.6164
597.858	0.6654	598.907	0.6289	599.957	0.5347	601.006	0.6162
597.883	0.6231	598.932	0.6164	599.982	0.5884	601.03	0.5916
597.908	0.6238	598.957	0.6099	600.007	0.5878	601.056	0.5915
597.933	0.6246	598.982	0.6154	600.032	0.5872	601.08	0.5673
597.958	0.6255	599.007	0.6270	600.057	0.5624	601.106	0.5674
597.983	0.6204	599.032	0.6203	600.082	0.5618	601.13	0.5675
598.008	0.6032	599.057	0.6319	600.107	0.5915	601.156	0.5677
598.033	0.6040	599.082	0.6313	600.132	0.5970	601.18	0.5678
598.058	0.6047	599.107	0.6246	600.157	0.5965	601.206	0.5680
598.083	0.6053	599.132	0.6181	600.182	0.5961	601.23	0.5682
598.108	0.6056	599.157	0.6239	600.207	0.5958	601.256	0.5683
598.133	0.5935	599.182	0.5872	600.232	0.6200	601.28	0.5624



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
601.306	0.5625	602.356	0.4821	603.405	0.4589	604.454	0.4082
601.33	0.6050	602.380	0.4820	603.430	0.4413	604.479	0.4204
601.356	0.6051	602.406	0.4758	603.455	0.4415	604.504	0.4150
601.38	0.6052	602.43	0.4457	603.480	0.4180	604.529	0.4391
601.406	0.5931	602.455	0.4451	603.505	0.4181	604.554	0.4396
601.43	0.5931	602.480	0.4444	603.530	0.4182	604.579	0.4399
601.456	0.5447	602.505	0.4793	603.555	0.4183	604.604	0.4047
601.48	0.5446	602.530	0.4786	603.580	0.4183	604.629	0.4106
601.506	0.5505	602.555	0.4542	603.605	0.4124	604.654	0.4045
601.53	0.5442	602.580	0.4656	603.630	0.4064	604.679	0.4100
601.556	0.5499	602.605	0.4654	603.655	0.4063	604.704	0.4094
601.58	0.5495	602.630	0.4594	603.680	0.4121	604.729	0.4027
601.606	0.5491	602.655	0.4595	603.705	0.4120	604.754	0.4018
601.63	0.5607	602.680	0.4598	603.730	0.4001	604.779	0.3950
601.656	0.5602	602.705	0.4603	603.755	0.4001	604.804	0.3941
601.68	0.5598	602.730	0.4608	603.780	0.4001	604.829	0.3932
601.706	0.5353	602.755	0.4674	603.805	0.4238	604.854	0.3866
601.73	0.5349	602.780	0.4680	603.830	0.4181	604.879	0.3801
601.756	0.5346	602.805	0.4331	603.855	0.4184	604.904	0.4207
601.78	0.5283	602.830	0.4337	603.880	0.4187	604.929	0.4203
601.806	0.5340	602.855	0.4342	603.905	0.4250	604.954	0.4199
601.83	0.5398	602.880	0.4168	603.930	0.4431	604.979	0.4196
601.856	0.5335	602.905	0.4170	603.955	0.4198	605.004	0.4193
601.88	0.5212	602.930	0.4170	603.980	0.4318	605.029	0.4309
601.906	0.5209	602.955	0.4109	604.005	0.4319	605.054	0.4307
601.93	0.5205	602.980	0.4106	604.030	0.4318	605.079	0.4423
601.956	0.5262	603.005	0.4277	604.055	0.4316	605.104	0.4480
601.98	0.5318	603.030	0.4211	604.080	0.4312	605.129	0.4477
602.006	0.4718	603.055	0.4204	604.105	0.4013	605.154	0.4653
602.03	0.4775	603.080	0.4196	604.130	0.4007	605.179	0.4651
602.056	0.4773	603.105	0.4306	604.154	0.4177	605.204	0.4470
602.08	0.4891	603.130	0.4181	604.180	0.4229	605.229	0.4467
602.106	0.4892	603.155	0.4175	604.204	0.4163	605.254	0.4465
602.13	0.4657	603.180	0.4111	604.229	0.4392	605.279	0.4642
602.156	0.4660	603.205	0.4108	604.255	0.4386	605.304	0.4640
602.18	0.4665	603.230	0.4401	604.279	0.3733	605.329	0.4461
602.206	0.4553	603.255	0.4401	604.304	0.3787	605.354	0.4402
602.23	0.4560	603.280	0.4401	604.329	0.3725	605.379	0.4464
602.256	0.4923	603.305	0.4285	604.354	0.4075	605.404	0.4467
602.28	0.4929	603.330	0.4287	604.379	0.4075	605.429	0.4473
602.306	0.4934	603.355	0.4585	604.404	0.4076	605.454	0.4480
602.33	0.4819	603.380	0.4587	604.429	0.4078	605.479	0.4429



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
605.504	0.4439	606.553	0.4222	607.603	0.4383	608.652	0.4383
605.529	0.4688	606.578	0.4223	607.628	0.4386	608.677	0.4376
605.554	0.4698	606.603	0.4225	607.652	0.4390	608.702	0.4368
605.579	0.4768	606.628	0.4108	607.677	0.4336	608.727	0.4003
605.604	0.4838	606.653	0.4110	607.702	0.4342	608.752	0.3996
605.629	0.4786	606.678	0.4408	607.727	0.4528	608.777	0.4347
605.654	0.4377	606.703	0.4349	607.753	0.4536	608.802	0.4341
605.679	0.4383	606.728	0.4409	607.777	0.4543	608.827	0.4336
605.704	0.4565	606.753	0.4229	607.802	0.4850	608.852	0.4213
605.729	0.4568	606.778	0.4228	607.827	0.4856	608.877	0.4210
605.754	0.4569	606.803	0.4464	607.852	0.4861	608.902	0.4209
605.779	0.4569	606.828	0.4462	607.877	0.4864	608.927	0.4208
605.804	0.4507	606.853	0.4461	607.902	0.4864	608.952	0.4209
605.828	0.4385	606.878	0.4879	607.927	0.4444	608.977	0.4210
605.854	0.4379	606.903	0.4880	607.952	0.4441	609.002	0.4211
605.879	0.4194	606.928	0.4463	607.977	0.4437	609.027	0.4212
605.903	0.4126	606.953	0.4465	608.002	0.4431	609.052	0.4213
605.928	0.4117	606.978	0.4467	608.027	0.4425	609.077	0.4393
605.953	0.4165	607.003	0.4887	608.052	0.4180	609.102	0.4453
605.978	0.4096	607.028	0.4887	608.077	0.4173	609.127	0.4453
606.003	0.4027	607.053	0.4587	608.102	0.4344	609.152	0.4632
606.028	0.4018	607.078	0.4584	608.127	0.4336	609.177	0.4570
606.053	0.4009	607.103	0.4580	608.152	0.4328	609.202	0.4267
606.078	0.3885	607.128	0.4454	608.177	0.4559	609.227	0.4324
606.103	0.3879	607.153	0.4447	608.202	0.4491	609.252	0.4320
606.128	0.3757	607.178	0.4082	608.227	0.4303	609.277	0.4616
606.153	0.3754	607.203	0.3956	608.252	0.4295	609.302	0.4611
606.178	0.3752	607.228	0.4125	608.277	0.4766	609.327	0.4127
606.203	0.4162	607.253	0.3939	608.302	0.4759	609.352	0.4182
606.228	0.4159	607.278	0.3932	608.327	0.4752	609.377	0.4177
606.253	0.4156	607.303	0.3808	608.352	0.4446	609.40	0.4052
606.278	0.4153	607.328	0.3802	608.377	0.4441	609.427	0.4048
606.303	0.4148	607.353	0.3857	608.402	0.4377	609.45	0.3805
606.328	0.4262	607.378	0.4387	608.427	0.4432	609.476	0.3801
606.353	0.4256	607.403	0.4384	608.452	0.4428	609.50	0.3797
606.378	0.4131	607.428	0.4144	608.477	0.4185	609.526	0.3794
606.403	0.4124	607.453	0.4142	608.502	0.4241	609.55	0.3791
606.428	0.4118	607.478	0.4498	608.527	0.4057	609.576	0.3908
606.453	0.4231	607.503	0.4498	608.552	0.4052	609.60	0.3908
606.478	0.4227	607.528	0.4498	608.577	0.4046	609.626	0.3909
606.503	0.3987	607.553	0.4379	608.602	0.4218	609.65	0.3674
606.528	0.3986	607.578	0.4381	608.627	0.4211	609.676	0.3738



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
609.70	0.3921	610.75	0.4413	611.800	0.4889	612.850	0.5799
609.726	0.3929	610.776	0.4528	611.825	0.4881	612.875	0.5795
609.75	0.3938	610.80	0.4222	611.850	0.4511	612.900	0.5235
609.776	0.4126	610.826	0.4217	611.875	0.4506	612.925	0.5230
609.80	0.4137	610.85	0.4213	611.900	0.4502	612.950	0.5225
609.826	0.4147	610.876	0.4510	611.925	0.4560	612.975	0.4851
609.85	0.4156	610.90	0.4506	611.950	0.4618	613.000	0.4846
609.876	0.4344	610.926	0.4503	611.975	0.4375	613.024	0.4901
609.90	0.4351	610.95	0.4500	612.000	0.4374	613.050	0.4835
609.926	0.4355	610.976	0.4496	612.025	0.4374	613.074	0.4831
609.95	0.4238	611.00	0.4071	612.050	0.4494	613.099	0.4523
609.976	0.4238	611.026	0.4067	612.075	0.4494	613.125	0.4520
610.00	0.4177	611.05	0.4483	612.100	0.4495	613.149	0.4517
610.026	0.4174	611.076	0.4479	612.125	0.4496	613.174	0.4452
610.05	0.4170	611.10	0.4475	612.150	0.4498	613.199	0.4266
610.076	0.4645	611.126	0.4472	612.175	0.4742	613.224	0.4261
610.10	0.4640	611.15	0.4470	612.200	0.4684	613.249	0.4254
610.126	0.4155	611.176	0.4168	612.225	0.4625	613.274	0.3824
610.15	0.4092	611.20	0.4168	612.250	0.4628	613.299	0.3815
610.176	0.4147	611.226	0.4168	612.275	0.4630	613.324	0.3924
610.20	0.4324	611.250	0.4470	612.300	0.4936	613.349	0.3913
610.226	0.4321	611.275	0.4472	612.325	0.4938	613.374	0.3902
610.25	0.4258	611.300	0.4595	612.350	0.5491	613.399	0.4192
610.276	0.4315	611.325	0.4597	612.375	0.5491	613.424	0.4183
610.30	0.4313	611.350	0.4600	612.400	0.5061	613.449	0.4358
610.326	0.4370	611.375	0.5028	612.425	0.5060	613.474	0.4292
610.35	0.4306	611.400	0.5031	612.450	0.4997	613.499	0.4288
610.376	0.4423	611.425	0.5034	612.475	0.5056	613.524	0.4166
610.40	0.4600	611.450	0.5036	612.500	0.5054	613.549	0.4166
610.426	0.4416	611.475	0.5038	612.525	0.4806	613.574	0.4167
610.45	0.4592	611.500	0.4614	612.550	0.4863	613.599	0.4169
610.476	0.4589	611.525	0.4613	612.575	0.4859	613.624	0.4171
610.50	0.4345	611.550	0.4975	612.600	0.4732	613.649	0.4172
610.526	0.4402	611.575	0.4971	612.625	0.4727	613.674	0.4172
610.55	0.4398	611.600	0.5149	612.650	0.4661	613.699	0.4414
610.576	0.4274	611.625	0.5142	612.675	0.4717	613.724	0.4412
610.60	0.4270	611.650	0.5133	612.700	0.4713	613.749	0.4347
610.626	0.4565	611.675	0.5001	612.725	0.5381	613.774	0.4404
610.65	0.4560	611.700	0.4990	612.750	0.5378	613.799	0.4399
610.676	0.4373	611.725	0.4918	612.775	0.5808	613.824	0.4393
610.70	0.4366	611.750	0.4908	612.800	0.5805	613.849	0.4388
610.726	0.4360	611.775	0.4837	612.825	0.5802	613.874	0.4383



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
613.899	0.4137	614.948	0.4240	615.998	0.4402	617.047	0.3894
613.924	0.4134	614.973	0.4174	616.023	0.4397	617.072	0.3839
613.949	0.4315	614.998	0.4048	616.048	0.4206	617.097	0.3661
613.974	0.4254	615.023	0.4045	616.073	0.4198	617.122	0.3664
613.999	0.4619	615.048	0.4165	616.098	0.4128	617.147	0.3666
614.024	0.4621	615.073	0.4104	616.123	0.4178	617.172	0.3727
614.049	0.4623	615.098	0.4105	616.148	0.4168	617.197	0.3665
614.074	0.4322	615.123	0.4595	616.173	0.4280	617.222	0.3785
614.099	0.4385	615.148	0.4598	616.198	0.4269	617.247	0.3783
614.124	0.4144	615.173	0.4480	616.223	0.4138	617.272	0.3658
614.149	0.4144	615.198	0.4424	616.248	0.4251	617.297	0.3716
614.174	0.4144	615.223	0.4428	616.273	0.4121	617.322	0.3773
614.199	0.4263	615.248	0.4068	616.298	0.4420	617.347	0.3769
614.224	0.4260	615.273	0.4071	616.323	0.4414	617.372	0.3764
614.249	0.4135	615.298	0.4378	616.348	0.4041	617.397	0.4064
614.274	0.4129	615.323	0.4441	616.373	0.4097	617.422	0.3936
614.299	0.4123	615.348	0.4441	616.398	0.4032	617.447	0.3929
614.324	0.4298	615.373	0.4257	616.423	0.4273	617.472	0.3983
614.349	0.4351	615.398	0.4256	616.448	0.4271	617.497	0.3975
614.374	0.4464	615.423	0.4314	616.473	0.4208	617.522	0.3845
614.399	0.4456	615.448	0.4250	616.497	0.4208	617.547	0.3836
614.424	0.4386	615.473	0.4247	616.522	0.3721	617.572	0.4072
614.449	0.4560	615.498	0.4488	616.547	0.3721	617.597	0.4063
614.474	0.4550	615.523	0.4485	616.572	0.3539	617.622	0.4054
614.499	0.4359	615.548	0.4056	616.597	0.3780	617.647	0.3680
614.524	0.4411	615.573	0.4054	616.622	0.3778	617.672	0.3671
614.549	0.4464	615.598	0.4052	616.647	0.4199	617.697	0.3725
614.574	0.4031	615.623	0.4292	616.672	0.4193	617.722	0.3779
614.599	0.4024	615.648	0.4227	616.697	0.4184	617.747	0.3773
614.624	0.4018	615.673	0.4223	616.722	0.3747	617.772	0.4196
614.649	0.4012	615.698	0.4279	616.747	0.3796	617.797	0.4193
614.674	0.4006	615.723	0.4395	616.772	0.3844	617.822	0.4437
614.698	0.4122	615.748	0.4388	616.797	0.3893	617.847	0.4436
614.724	0.4117	615.773	0.4381	616.822	0.3822	617.872	0.4435
614.748	0.3990	615.798	0.4375	616.847	0.3631	617.897	0.4559
614.773	0.3984	615.823	0.4369	616.872	0.3626	617.922	0.4497
614.798	0.3977	615.848	0.4363	616.897	0.4171	617.947	0.4188
614.823	0.4213	615.873	0.4359	616.922	0.4171	617.972	0.4187
614.848	0.4206	615.898	0.4356	616.947	0.4174	617.997	0.4184
614.873	0.4198	615.923	0.4475	616.972	0.4425	618.022	0.4180
614.898	0.4191	615.948	0.4411	616.997	0.4431	618.047	0.4176
614.923	0.4185	615.973	0.4407	617.022	0.3887	618.072	0.4170



Table 3. Low Resolution Absorption Cross Section from 450-650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
618.097	0.4165	619.146	0.3936	620.195	0.3440	621.245	0.3793
618.122	0.4097	619.17	0.3934	620.220	0.3372	621.270	0.3543
618.147	0.4214	619.196	0.3935	620.245	0.3366	621.295	0.3537
618.172	0.4148	619.22	0.3937	620.270	0.3422	621.320	0.3530
618.197	0.3959	619.246	0.4064	620.295	0.3663	621.345	0.3706
618.222	0.3956	619.27	0.3946	620.320	0.3661	621.370	0.3635
618.247	0.3953	619.296	0.3645	620.345	0.3414	621.395	0.3626
618.27	0.3951	619.32	0.3529	620.370	0.3412	621.420	0.3617
618.297	0.3889	619.346	0.3658	620.395	0.3410	621.445	0.3609
618.32	0.3704	619.37	0.3420	620.420	0.3164	621.470	0.3601
618.346	0.3703	619.396	0.3364	620.445	0.3160	621.495	0.3595
618.37	0.3458	619.42	0.3612	620.470	0.3766	621.520	0.3467
618.396	0.3455	619.446	0.3615	620.495	0.3822	621.545	0.3463
618.42	0.3452	619.47	0.3678	620.520	0.3814	621.570	0.3154
618.446	0.3692	619.496	0.3862	620.545	0.3499	621.595	0.3151
618.47	0.3687	619.52	0.3861	620.570	0.3429	621.620	0.3087
618.496	0.3621	619.546	0.4105	620.595	0.3480	621.645	0.3389
618.52	0.3678	619.57	0.4102	620.620	0.3408	621.670	0.3384
618.546	0.3612	619.596	0.4098	620.645	0.3704	621.695	0.3378
618.57	0.3791	619.62	0.4217	620.670	0.3631	621.720	0.3370
618.596	0.3727	619.646	0.4212	620.695	0.3621	621.745	0.3362
618.62	0.3969	619.67	0.4084	620.720	0.3856	621.770	0.3785
618.646	0.3968	619.696	0.4079	620.745	0.3846	621.795	0.3776
618.67	0.3968	619.72	0.4075	620.770	0.4209	621.820	0.3152
618.696	0.3540	619.746	0.4071	620.795	0.4200	621.844	0.3205
618.72	0.3541	619.77	0.4068	620.820	0.4192	621.870	0.3198
618.746	0.3601	619.796	0.3943	620.845	0.4061	621.894	0.2887
618.77	0.3660	619.82	0.3941	620.870	0.3992	621.919	0.2942
618.796	0.3657	619.846	0.4063	620.895	0.4173	621.944	0.3366
618.82	0.3529	619.87	0.4062	620.920	0.4168	621.969	0.3362
618.846	0.3521	619.896	0.4061	620.945	0.4165	621.994	0.3357
618.87	0.3450	619.92	0.4183	620.970	0.4474	622.019	0.3045
618.896	0.3376	619.946	0.4181	620.995	0.4473	622.044	0.3040
618.92	0.3362	619.97	0.4302	621.020	0.3914	622.069	0.2912
618.946	0.3651	619.996	0.4299	621.045	0.3915	622.094	0.2906
618.97	0.3697	620.02	0.4294	621.070	0.3916	622.119	0.2900
618.996	0.3621	620.046	0.4288	621.095	0.3794	622.144	0.3323
619.02	0.3607	620.070	0.4281	621.120	0.3796	622.169	0.3256
619.046	0.3656	620.095	0.4088	621.145	0.3797	622.194	0.3066
619.07	0.3585	620.120	0.4018	621.170	0.3798	622.219	0.3062
619.096	0.3577	620.145	0.4009	621.195	0.3798	622.244	0.2935
619.12	0.4001	620.170	0.3448	621.220	0.3796	622.269	0.2993



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
622.294	0.2990	623.344	0.3132	624.393	0.3210	625.442	0.3633
622.319	0.3110	623.369	0.3131	624.418	0.2840	625.467	0.3634
622.344	0.3108	623.394	0.3130	624.443	0.2840	625.492	0.3634
622.369	0.2862	623.419	0.2882	624.468	0.3087	625.517	0.3321
622.394	0.2921	623.444	0.2879	624.493	0.3148	625.542	0.3383
622.419	0.2858	623.469	0.2936	624.518	0.3084	625.567	0.3445
622.444	0.2856	623.494	0.3239	624.543	0.3266	625.592	0.3319
622.469	0.2853	623.519	0.3234	624.568	0.3323	625.617	0.3255
622.494	0.2971	623.544	0.3475	624.593	0.2822	625.642	0.3315
622.519	0.3027	623.569	0.3468	624.618	0.2815	625.667	0.3311
622.544	0.2899	623.594	0.3461	624.643	0.2807	625.692	0.3307
622.569	0.2891	623.619	0.3083	624.668	0.2923	625.717	0.3364
622.594	0.2944	623.643	0.3076	624.693	0.2914	625.742	0.3357
622.619	0.3243	623.669	0.2701	624.718	0.2905	625.767	0.3038
622.644	0.3236	623.693	0.2755	624.743	0.2896	625.792	0.3030
622.669	0.3229	623.719	0.2750	624.768	0.2887	625.817	0.3333
622.694	0.3040	623.744	0.3113	624.793	0.2878	625.842	0.3325
622.719	0.3036	623.768	0.3046	624.818	0.2870	625.867	0.3379
622.744	0.2912	623.793	0.2979	624.843	0.3109	625.892	0.3245
622.769	0.2912	623.818	0.2974	624.868	0.3102	625.917	0.3236
622.794	0.2914	623.843	0.2968	624.893	0.2725	625.942	0.3103
622.819	0.3407	623.868	0.2962	624.918	0.2719	625.967	0.3094
622.844	0.3409	623.893	0.2955	624.943	0.2715	625.992	0.3084
622.869	0.3163	623.918	0.3255	624.968	0.3207	626.017	0.3074
622.894	0.3162	623.943	0.3246	624.993	0.3205	626.042	0.3063
622.919	0.3159	623.968	0.2989	625.018	0.3017	626.067	0.3052
622.944	0.3154	623.993	0.2978	625.043	0.3078	626.092	0.3041
622.969	0.3147	624.018	0.2965	625.068	0.3077	626.117	0.3031
622.994	0.3201	624.043	0.2705	625.093	0.3388	626.142	0.3021
623.019	0.3191	624.068	0.2690	625.118	0.3325	626.167	0.3013
623.044	0.3181	624.093	0.2921	625.143	0.3449	626.192	0.3006
623.069	0.2864	624.118	0.2906	625.168	0.3385	626.217	0.3001
623.094	0.2855	624.143	0.2891	625.193	0.3384	626.242	0.2749
623.119	0.2907	624.168	0.2878	625.218	0.3383	626.267	0.2747
623.144	0.2962	624.193	0.2866	625.243	0.3382	626.292	0.2745
623.169	0.2956	624.218	0.2610	625.268	0.3256	626.317	0.2867
623.194	0.2891	624.243	0.2603	625.292	0.3318	626.342	0.2865
623.219	0.2949	624.268	0.2659	625.318	0.3318	626.367	0.2490
623.244	0.3256	624.293	0.2840	625.343	0.3381	626.392	0.2484
623.269	0.3255	624.318	0.2838	625.367	0.3444	626.417	0.2477
623.294	0.3132	624.343	0.3208	625.392	0.3382	626.442	0.2221
623.319	0.3132	624.368	0.3209	625.417	0.3382	626.467	0.2272



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
626.492	0.2444	627.54	0.2948	628.59	0.2973	629.640	0.2574
626.517	0.2430	627.566	0.2936	628.616	0.3031	629.665	0.2565
626.542	0.2416	627.59	0.2923	628.64	0.3087	629.690	0.2746
626.567	0.2340	627.616	0.2972	628.666	0.2638	629.715	0.2802
626.592	0.2327	627.64	0.2959	628.69	0.2691	629.740	0.2796
626.617	0.2500	627.666	0.2759	628.716	0.2932	629.765	0.3045
626.642	0.2489	627.69	0.2748	628.74	0.2920	629.790	0.3041
626.667	0.2480	627.716	0.2737	628.766	0.2972	629.815	0.2785
626.692	0.2846	627.74	0.3103	628.79	0.2960	629.840	0.2721
626.717	0.2840	627.766	0.3094	628.815	0.2948	629.865	0.2721
626.742	0.2463	627.79	0.3085	628.84	0.2875	629.890	0.2785
626.767	0.2459	627.816	0.3075	628.866	0.2865	629.915	0.2723
626.792	0.2454	627.84	0.3066	628.89	0.3045	629.940	0.2535
626.817	0.2449	627.866	0.3056	628.916	0.3037	629.965	0.2536
626.842	0.2443	627.89	0.3046	628.940	0.3030	629.990	0.2473
626.867	0.2435	627.916	0.2722	628.965	0.2772	630.015	0.2283
626.892	0.2425	627.94	0.2649	628.990	0.2767	630.040	0.2280
626.917	0.2413	627.966	0.2764	629.015	0.3014	630.065	0.2780
626.942	0.2400	627.99	0.2755	629.040	0.3009	630.090	0.2774
626.967	0.2387	628.016	0.2748	629.065	0.2940	630.115	0.2768
626.992	0.2498	628.04	0.2993	629.090	0.3252	630.140	0.2572
627.017	0.2485	628.066	0.2988	629.115	0.3246	630.165	0.2628
627.042	0.2475	628.09	0.3174	629.140	0.2734	630.190	0.2494
627.066	0.2715	628.116	0.3235	629.165	0.2727	630.215	0.2488
627.092	0.2710	628.14	0.3170	629.190	0.2721	630.240	0.2481
627.117	0.2895	628.166	0.2979	629.215	0.2714	630.265	0.2286
627.14	0.2895	628.19	0.2977	629.240	0.2770	630.290	0.2217
627.167	0.2899	628.216	0.3100	629.265	0.3016	630.315	0.2085
627.19	0.2842	628.24	0.3096	629.290	0.3009	630.340	0.2141
627.216	0.2850	628.266	0.3091	629.315	0.3003	630.365	0.2134
627.24	0.2735	628.29	0.2772	629.340	0.3186	630.390	0.1875
627.266	0.2745	628.316	0.2703	629.365	0.3179	630.415	0.1865
627.29	0.2819	628.34	0.3137	629.390	0.3235	630.440	0.2105
627.316	0.2891	628.366	0.3132	629.415	0.3227	630.465	0.2092
627.34	0.2901	628.39	0.3127	629.440	0.3219	630.490	0.2457
627.366	0.3221	628.416	0.3122	629.465	0.3210	630.515	0.2506
627.39	0.3227	628.44	0.3118	629.490	0.3201	630.540	0.2493
627.416	0.3041	628.466	0.2926	629.515	0.2811	630.565	0.2543
627.44	0.2977	628.49	0.2924	629.540	0.2865	630.590	0.2531
627.466	0.3036	628.516	0.2921	629.565	0.2855	630.615	0.2458
627.49	0.2905	628.54	0.3107	629.590	0.2846	630.640	0.2576
627.516	0.2896	628.566	0.3167	629.615	0.2836	630.665	0.2380



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
630.690	0.2061	631.739	0.2257	632.788	0.2166	633.838	0.1676
630.714	0.2059	631.764	0.2250	632.813	0.2173	633.863	0.1669
630.740	0.1996	631.789	0.2433	632.838	0.2116	633.888	0.1537
630.764	0.1997	631.814	0.2425	632.863	0.2122	633.913	0.1533
630.789	0.2063	631.839	0.2418	632.888	0.2380	633.938	0.1785
630.814	0.2318	631.864	0.2475	632.913	0.2382	633.963	0.1783
630.839	0.2321	631.889	0.2469	632.938	0.2382	633.988	0.1720
630.864	0.2073	631.914	0.2274	632.963	0.2124	634.013	0.1783
630.889	0.2138	631.939	0.2268	632.988	0.2117	634.038	0.1783
630.914	0.2139	631.964	0.2199	633.013	0.1981	634.063	0.1845
630.939	0.2327	631.989	0.2446	633.038	0.1904	634.088	0.1907
630.964	0.2324	632.014	0.2439	633.063	0.1952	634.113	0.1840
630.989	0.2319	632.039	0.2178	633.088	0.2060	634.138	0.1835
631.014	0.2313	632.064	0.2233	633.113	0.1913	634.163	0.1829
631.039	0.2305	632.089	0.2097	633.138	0.2082	634.188	0.1821
631.064	0.1981	632.114	0.2087	633.163	0.2062	634.213	0.1813
631.089	0.1972	632.139	0.2076	633.188	0.2042	634.238	0.1803
631.114	0.2530	632.164	0.2573	633.213	0.1455	634.263	0.1729
631.139	0.2521	632.189	0.2372	633.238	0.1439	634.287	0.1718
631.164	0.2514	632.214	0.2173	633.263	0.1678	634.312	0.1962
631.189	0.2005	632.239	0.2163	633.288	0.1667	634.337	0.1952
631.214	0.2001	632.264	0.2091	633.313	0.1659	634.362	0.1942
631.239	0.1937	632.289	0.2272	633.338	0.1401	634.387	0.1804
631.264	0.1936	632.314	0.2200	633.363	0.1397	634.412	0.1731
631.289	0.2377	632.339	0.2509	633.388	0.1395	634.437	0.1914
631.314	0.2377	632.364	0.2499	633.413	0.1394	634.462	0.1907
631.339	0.2376	632.389	0.2488	633.438	0.1394	634.487	0.1900
631.364	0.2565	632.414	0.2286	633.463	0.1394	634.512	0.1703
631.389	0.2562	632.439	0.2273	633.488	0.1394	634.537	0.1761
631.414	0.2368	632.464	0.2450	633.513	0.1645	634.562	0.1883
631.439	0.2301	632.489	0.2436	633.538	0.1643	634.587	0.1877
631.464	0.2359	632.513	0.2421	633.563	0.1640	634.612	0.2319
631.489	0.2735	632.538	0.2214	633.588	0.1700	634.637	0.2312
631.514	0.2541	632.563	0.2199	633.613	0.1757	634.662	0.2304
631.539	0.2728	632.588	0.2185	633.638	0.1814	634.687	0.2166
631.564	0.2598	632.613	0.2173	633.663	0.1869	634.712	0.2157
631.589	0.2596	632.638	0.2164	633.688	0.1796	634.737	0.2147
631.614	0.2340	632.663	0.2221	633.713	0.1850	634.762	0.2136
631.639	0.2338	632.688	0.2217	633.738	0.1776	634.787	0.2126
631.664	0.1957	632.713	0.2536	633.763	0.2084	634.812	0.2244
631.689	0.1953	632.738	0.2538	633.788	0.2074	634.837	0.2234
631.714	0.2074	632.763	0.2543	633.813	0.1620	634.862	0.1775



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
634.887	0.1765	635.936	0.1922	636.986	0.1270	638.035	0.1735
634.912	0.1756	635.96	0.1975	637.01	0.1010	638.060	0.1594
634.937	0.1557	635.987	0.1900	637.036	0.1006	638.085	0.1583
634.962	0.1549	636.01	0.1953	637.06	0.1003	638.110	0.1572
634.987	0.1798	636.036	0.1942	637.086	0.1255	638.135	0.2017
635.012	0.1793	636.06	0.1866	637.11	0.1253	638.160	0.2073
635.037	0.1789	636.086	0.1919	637.136	0.1187	638.185	0.1543
635.062	0.1786	636.11	0.1779	637.16	0.1186	638.210	0.1536
635.087	0.1785	636.136	0.1767	637.186	0.1184	638.235	0.1529
635.112	0.1721	636.16	0.2338	637.21	0.1183	638.260	0.1395
635.137	0.1722	636.186	0.2068	637.236	0.1182	638.285	0.1391
635.162	0.1724	636.21	0.1864	637.26	0.1309	638.310	0.1516
635.187	0.1918	636.236	0.1855	637.286	0.1371	638.335	0.1513
635.212	0.1920	636.26	0.1846	637.31	0.1370	638.360	0.1509
635.237	0.2050	636.286	0.2161	637.336	0.1239	638.385	0.1441
635.262	0.2051	636.31	0.2154	637.36	0.1237	638.410	0.1372
635.287	0.2051	636.336	0.1953	637.386	0.0978	638.435	0.1174
635.312	0.2050	636.36	0.1882	637.41	0.1166	638.460	0.1169
635.337	0.2048	636.386	0.1876	637.436	0.0970	638.485	0.1165
635.362	0.2046	636.41	0.2258	637.46	0.1607	638.510	0.1874
635.387	0.2043	636.436	0.2187	637.486	0.1602	638.535	0.1871
635.412	0.2169	636.46	0.2050	637.51	0.1338	638.560	0.1868
635.437	0.2167	636.486	0.1978	637.536	0.1331	638.585	0.1865
635.462	0.2100	636.51	0.1969	637.56	0.1323	638.610	0.1862
635.487	0.2035	636.536	0.1638	637.586	0.1443	638.635	0.1534
635.512	0.2033	636.56	0.1628	637.61	0.1435	638.660	0.1466
635.537	0.2354	636.586	0.1747	637.636	0.1555	638.685	0.1462
635.562	0.2352	636.61	0.1737	637.66	0.1546	638.710	0.1523
635.587	0.2348	636.636	0.1727	637.685	0.1472	638.735	0.1582
635.612	0.2150	636.66	0.1783	637.71	0.1271	638.760	0.1707
635.637	0.2142	636.686	0.1775	637.735	0.1262	638.785	0.1896
635.662	0.2004	636.71	0.1898	637.760	0.1512	638.810	0.1824
635.687	0.1993	636.736	0.1827	637.786	0.1504	638.835	0.1817
635.712	0.1980	636.76	0.1887	637.810	0.1496	638.860	0.2007
635.737	0.2095	636.786	0.1561	637.835	0.1553	638.885	0.2000
635.762	0.2015	636.81	0.1557	637.860	0.1545	638.910	0.1992
635.787	0.1807	636.836	0.1425	637.885	0.1536	638.935	0.1789
635.812	0.1792	636.86	0.1421	637.910	0.1527	638.960	0.1781
635.837	0.1778	636.886	0.1417	637.935	0.1518	638.985	0.2166
635.862	0.2022	636.91	0.1541	637.960	0.1508	639.010	0.2157
635.887	0.2009	636.936	0.1537	637.985	0.1498	639.035	0.2280
635.91	0.1997	636.96	0.1339	638.010	0.1746	639.060	0.1810



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
639.085	0.1799	640.134	0.1732	641.184	0.2126	642.233	0.2352
639.110	0.1592	640.159	0.1590	641.209	0.1857	642.258	0.2075
639.135	0.1580	640.184	0.1580	641.234	0.1854	642.283	0.2067
639.160	0.1568	640.209	0.1571	641.258	0.1653	642.308	0.1925
639.185	0.1882	640.234	0.1431	641.284	0.1650	642.333	0.1917
639.210	0.1870	640.259	0.1424	641.309	0.1648	642.358	0.1910
639.235	0.1726	640.284	0.1944	641.333	0.1645	642.383	0.2510
639.260	0.1713	640.309	0.1940	641.359	0.1643	642.408	0.2505
639.285	0.1700	640.334	0.1542	641.383	0.1772	642.433	0.2638
639.310	0.1361	640.359	0.1540	641.408	0.1768	642.458	0.2636
639.335	0.1413	640.384	0.1537	641.433	0.1764	642.483	0.2637
639.360	0.1596	640.409	0.1797	641.458	0.1825	642.508	0.2638
639.385	0.1585	640.434	0.1859	641.483	0.1819	642.533	0.2640
639.410	0.1574	640.459	0.1655	641.508	0.2080	642.558	0.2372
639.435	0.1630	640.484	0.1646	641.533	0.2141	642.583	0.2373
639.460	0.1688	640.509	0.1635	641.558	0.2068	642.608	0.2373
639.484	0.1420	640.534	0.1425	641.583	0.2062	642.633	0.2507
639.509	0.1416	640.559	0.1344	641.608	0.2057	642.658	0.2503
639.535	0.1544	640.584	0.1987	641.633	0.1851	642.683	0.2361
639.559	0.1542	640.609	0.1971	641.658	0.1845	642.708	0.2353
639.584	0.1475	640.634	0.1955	641.683	0.1840	642.733	0.2343
639.609	0.1605	640.659	0.1740	641.708	0.1833	642.758	0.2332
639.634	0.1603	640.684	0.1726	641.733	0.2027	642.783	0.2321
639.659	0.1534	640.709	0.1712	641.758	0.2020	642.808	0.2309
639.684	0.1529	640.734	0.1635	641.783	0.2012	642.833	0.2365
639.709	0.1523	640.759	0.1690	641.808	0.2004	642.858	0.1948
639.734	0.1514	640.784	0.1946	641.833	0.2532	642.883	0.1937
639.759	0.1636	640.809	0.1937	641.858	0.2522	642.908	0.1858
639.784	0.1364	640.834	0.2196	641.883	0.2176	642.933	0.2387
639.809	0.1354	640.859	0.2189	641.908	0.2232	642.958	0.2376
639.834	0.1345	640.884	0.2182	641.933	0.2220	642.983	0.2365
639.859	0.1532	640.909	0.1578	641.958	0.1940	643.008	0.2355
639.884	0.1525	640.934	0.1572	641.983	0.1927	643.033	0.2344
639.909	0.1848	640.959	0.2164	642.008	0.1914	643.058	0.2334
639.934	0.1909	640.984	0.2158	642.033	0.1901	643.083	0.2324
639.959	0.1905	641.009	0.2153	642.058	0.2021	643.108	0.2178
639.984	0.1638	641.034	0.1882	642.083	0.2009	643.133	0.2168
640.009	0.1635	641.059	0.1878	642.108	0.2064	643.157	0.2159
640.034	0.1238	641.084	0.1874	642.133	0.1986	643.182	0.2082
640.059	0.1232	641.109	0.1870	642.158	0.1976	643.207	0.2072
640.084	0.1291	641.134	0.1867	642.183	0.2437	643.232	0.1929
640.109	0.1741	641.159	0.2129	642.208	0.2361	643.257	0.1920



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
643.282	0.1912	644.332	0.1882	645.381	0.1600	646.431	0.2488
643.307	0.2377	644.357	0.1618	645.406	0.1593	646.456	0.2476
643.332	0.2234	644.382	0.1620	645.431	0.1586	646.481	0.2395
643.357	0.2024	644.407	0.1754	645.456	0.1579	646.506	0.2247
643.382	0.2019	644.432	0.1751	645.481	0.1641	646.531	0.2307
643.407	0.2014	644.457	0.1745	645.506	0.1703	646.555	0.2160
643.432	0.2213	644.482	0.1872	645.531	0.1696	646.581	0.2152
643.457	0.2210	644.507	0.1862	645.556	0.1689	646.605	0.2145
643.482	0.2344	644.532	0.1918	645.581	0.1681	646.630	0.2693
643.507	0.2342	644.557	0.1905	645.606	0.1671	646.656	0.2685
643.532	0.2342	644.582	0.1823	645.631	0.2139	646.680	0.2190
643.557	0.2205	644.607	0.1808	645.656	0.2195	646.705	0.2249
643.582	0.2204	644.632	0.1793	645.681	0.2113	646.730	0.2238
643.607	0.1999	644.657	0.1776	645.706	0.2098	646.755	0.2643
643.632	0.1998	644.682	0.1760	645.731	0.2083	646.780	0.2631
643.657	0.1995	644.707	0.1473	645.756	0.1590	646.805	0.3108
643.682	0.1992	644.732	0.1457	645.781	0.1576	646.830	0.3095
643.707	0.1989	644.757	0.1440	645.806	0.1564	646.855	0.3082
643.732	0.2187	644.782	0.1762	645.831	0.1963	646.880	0.2788
643.757	0.2182	644.807	0.1748	645.856	0.1955	646.905	0.2774
643.782	0.2243	644.832	0.1667	645.881	0.1949	646.930	0.2551
643.807	0.2303	644.857	0.1654	645.906	0.1877	646.955	0.2537
643.832	0.2293	644.882	0.1642	645.931	0.1876	646.980	0.2174
643.857	0.2282	644.906	0.1698	645.956	0.1945	647.005	0.2159
643.882	0.2268	644.931	0.1686	645.981	0.1878	647.030	0.2144
643.907	0.1914	644.956	0.1674	646.006	0.2088	647.055	0.2686
643.932	0.1898	644.981	0.1662	646.031	0.2023	647.080	0.2670
643.957	0.1881	645.006	0.1649	646.056	0.2027	647.105	0.2515
643.982	0.1729	645.031	0.1770	646.081	0.1963	647.130	0.2501
644.007	0.1714	645.056	0.1755	646.106	0.1966	647.155	0.2419
644.032	0.2107	645.081	0.1876	646.131	0.1695	647.180	0.2900
644.057	0.2028	645.106	0.1861	646.156	0.1696	647.205	0.2893
644.082	0.2021	645.131	0.1846	646.181	0.1969	647.230	0.2396
644.107	0.1545	645.156	0.1831	646.206	0.2034	647.255	0.2393
644.132	0.1545	645.181	0.1817	646.231	0.1892	647.280	0.2393
644.157	0.1482	645.206	0.1668	646.256	0.2297	647.305	0.2394
644.182	0.1556	645.231	0.1656	646.281	0.2357	647.330	0.2397
644.207	0.1497	645.256	0.1645	646.306	0.2139	647.355	0.2262
644.232	0.1508	645.281	0.1907	646.331	0.2127	647.380	0.2406
644.257	0.1586	645.306	0.1897	646.356	0.2113	647.405	0.2202
644.282	0.1866	645.331	0.2025	646.381	0.2238	647.430	0.2207
644.307	0.1875	645.356	0.2016	646.406	0.2224	647.455	0.2421



Table 3. Low Resolution Absorption Cross Section from 450–650 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
647.480	0.2494	648.130	0.1601	648.779	0.1130	649.429	0.1488
647.505	0.2496	648.155	0.1800	648.804	0.1189	649.454	0.1339
647.530	0.2497	648.180	0.1861	648.829	0.1042	649.479	0.1331
647.555	0.2427	648.205	0.1786	648.854	0.0964	649.504	0.1463
647.580	0.2425	648.230	0.2130	648.879	0.1024	649.529	0.1457
647.605	0.2212	648.255	0.2128	648.904	0.0947	649.554	0.1663
647.630	0.2207	648.280	0.1918	648.929	0.0939	649.579	0.1660
647.655	0.2200	648.305	0.1918	648.954	0.1412	649.604	0.1659
647.680	0.2401	648.330	0.1918	648.979	0.1403	649.629	0.1380
647.705	0.2391	648.354	0.1709	649.004	0.1461	649.654	0.1381
647.730	0.2102	648.379	0.1707	649.029	0.1312	649.679	0.1313
647.755	0.2090	648.404	0.1843	649.054	0.1231	649.704	0.1592
647.780	0.2008	648.429	0.1838	649.079	0.1013	649.729	0.1662
647.805	0.2133	648.454	0.1832	649.104	0.1071	649.754	0.1661
647.830	0.2049	648.479	0.1546	649.129	0.0991	649.779	0.1657
647.855	0.2103	648.504	0.1536	649.154	0.1257	649.804	0.1651
647.880	0.2086	648.529	0.1525	649.179	0.1247	649.829	0.1642
647.905	0.1931	648.554	0.1513	649.204	0.1238	649.854	0.1631
647.930	0.1776	648.579	0.1501	649.229	0.1228	649.879	0.1828
647.955	0.1830	648.604	0.1696	649.254	0.1219	649.904	0.1813
647.980	0.1677	648.629	0.1753	649.279	0.1417	649.929	0.1798
648.005	0.1662	648.654	0.1463	649.304	0.1406	649.954	0.1363
648.030	0.1996	648.679	0.1451	649.329	0.1534	649.979	0.1350
648.055	0.1983	648.704	0.1094	649.354	0.1731	650.004	0.1339
648.080	0.1970	648.729	0.1082	649.379	0.1510	650.029	0.1333
648.105	0.1612	648.754	0.1071	649.404	0.1499	650.054	0.1330



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
469.9834	3.1534	470.1973	3.3518	470.4111	3.1546	470.6250	3.3272
469.9885	3.1042	470.2024	3.3400	470.4162	3.1300	470.6301	3.2752
469.9936	3.0265	470.2075	3.2738	470.4213	3.2007	470.6351	3.3608
469.9987	2.9560	470.2126	3.3182	470.4264	3.4171	470.6402	3.3729
470.0038	3.0722	470.2176	3.1613	470.4315	3.4389	470.6453	3.1988
470.0089	3.1353	470.2227	3.2140	470.4366	3.2872	470.6504	3.4456
470.0140	3.0360	470.2278	2.8843	470.4417	3.2146	470.6555	3.2335
470.0191	3.0020	470.2329	2.9980	470.4467	3.4561	470.6606	3.0750
470.0242	3.0806	470.2380	3.0412	470.4518	3.6098	470.6657	3.0552
470.0292	3.2606	470.2431	3.1159	470.4569	3.6676	470.6708	3.3136
470.0343	3.3158	470.2482	3.1787	470.4620	3.8461	470.6759	3.3264
470.0394	3.2801	470.2533	3.2444	470.4671	3.4090	470.6810	3.0893
470.0445	3.1973	470.2584	3.1036	470.4722	3.7465	470.6861	3.3318
470.0496	3.3589	470.2635	3.0599	470.4773	3.4840	470.6912	3.0983
470.0547	3.3626	470.2686	3.0207	470.4824	3.4996	470.6962	2.9867
470.0598	3.2045	470.2737	3.1159	470.4875	3.4146	470.7013	3.0275
470.0649	3.1950	470.2787	3.0134	470.4926	3.2461	470.7064	3.0205
470.0700	3.1614	470.2838	3.1006	470.4977	3.4060	470.7115	3.0276
470.0751	3.0731	470.2889	3.1112	470.5028	3.5980	470.7166	3.1563
470.0802	2.9490	470.2940	2.9847	470.5078	3.3438	470.7217	3.0588
470.0853	3.0320	470.2991	3.1153	470.5129	3.2878	470.7268	3.2760
470.0903	3.0348	470.3042	2.9595	470.5180	3.4191	470.7319	2.9789
470.0954	3.2459	470.3093	3.1154	470.5231	3.5015	470.7370	2.8673
470.1005	3.1792	470.3144	3.0276	470.5282	3.7003	470.7421	2.9238
470.1056	3.1056	470.3195	3.1042	470.5333	3.5021	470.7472	3.0548
470.1107	3.1552	470.3246	3.1454	470.5384	3.1770	470.7523	3.0251
470.1158	3.2229	470.3297	2.9462	470.5435	3.3664	470.7573	3.1189
470.1209	2.9925	470.3347	3.0327	470.5486	3.2447	470.7624	3.0531
470.1260	3.3668	470.3398	3.0518	470.5537	3.1924	470.7675	3.0051
470.1311	3.1454	470.3449	2.9966	470.5588	3.2894	470.7726	2.9994
470.1362	3.1983	470.3500	2.9794	470.5639	3.3893	470.7777	3.2326
470.1413	3.2851	470.3551	3.0627	470.5689	3.3081	470.7828	3.0580
470.1464	3.2257	470.3602	3.0505	470.5740	3.3165	470.7879	3.1450
470.1515	3.2989	470.3653	3.0103	470.5791	3.3289	470.7930	3.2574
470.1565	3.2497	470.3704	3.1264	470.5842	3.1512	470.7981	3.2576
470.1616	3.2750	470.3755	2.9240	470.5893	3.5143	470.8032	3.1265
470.1667	3.2682	470.3806	3.3022	470.5944	3.1536	470.8083	2.8904
470.1718	3.4536	470.3857	3.4684	470.5995	3.3592	470.8134	2.8678
470.1769	3.2715	470.3907	3.0827	470.6046	3.1511	470.8185	3.1216
470.1820	3.0156	470.3958	2.9562	470.6097	3.2743	470.8235	2.9948
470.1871	3.2234	470.4009	3.1377	470.6148	3.3428	470.8286	3.0250
470.1922	3.4242	470.4060	3.0526	470.6199	3.1688	470.8337	2.9240



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
470.8388	3.0160	471.0526	2.9404	471.2665	2.6332	471.4803	2.9972
470.8439	2.8873	471.0577	2.9041	471.2716	2.6370	471.4854	2.8761
470.8490	3.0700	471.0628	2.8720	471.2767	2.6477	471.4905	2.9566
470.8541	2.9082	471.0679	3.0347	471.2818	2.6053	471.4956	3.0435
470.8592	3.0168	471.0730	2.9924	471.2869	2.5455	471.5007	2.8490
470.8643	3.1756	471.0781	3.2176	471.2920	2.5978	471.5058	2.7232
470.8694	2.8804	471.0832	3.0653	471.2971	2.5468	471.5109	2.9382
470.8745	2.9765	471.0883	2.9875	471.3021	2.7713	471.5160	2.9507
470.8795	3.0256	471.0934	3.0534	471.3072	2.6058	471.5211	2.8932
470.8846	3.1059	471.0985	3.0934	471.3123	2.6446	471.5262	2.9391
470.8897	2.9067	471.1036	3.0746	471.3174	2.7221	471.5313	2.8189
470.8948	2.7376	471.1086	2.9400	471.3225	2.7179	471.5363	3.0611
470.8999	2.8946	471.1137	3.0008	471.3276	2.7555	471.5414	2.9240
470.9050	2.9604	471.1188	2.9867	471.3327	2.6169	471.5465	3.1963
470.9101	2.9504	471.1239	2.9833	471.3378	2.9929	471.5516	2.9644
470.9152	3.0246	471.1290	3.0289	471.3429	2.8136	471.5567	3.0600
470.9203	2.9515	471.1341	3.1715	471.3480	2.8729	471.5618	2.7894
470.9254	3.0333	471.1392	3.0853	471.3531	2.9350	471.5669	2.8611
470.9305	3.1146	471.1443	3.1555	471.3582	2.8556	471.5720	2.8300
470.9355	3.0845	471.1494	3.2567	471.3632	2.8429	471.5771	2.9393
470.9406	3.0615	471.1545	2.8789	471.3683	2.8578	471.5822	2.8096
470.9457	3.0959	471.1596	3.0051	471.3734	2.7081	471.5872	2.6967
470.9508	3.0131	471.1647	3.2018	471.3785	2.9131	471.5923	2.9156
470.9559	2.9321	471.1698	3.1396	471.3836	2.7490	471.5974	3.0335
470.9610	2.8466	471.1748	3.0478	471.3887	2.8642	471.6025	2.7591
470.9661	2.9140	471.1799	3.0645	471.3938	2.8567	471.6076	2.6563
470.9712	2.9550	471.1850	3.0124	471.3989	2.7450	471.6127	2.7025
470.9763	2.6990	471.1901	2.9679	471.4040	2.7760	471.6178	2.6636
470.9814	2.7069	471.1952	2.8657	471.4091	2.8884	471.6229	2.8463
470.9865	2.6501	471.2003	3.0258	471.4142	2.7998	471.6280	2.6321
470.9915	2.6780	471.2054	2.7663	471.4193	2.9859	471.6331	3.0146
470.9966	2.8533	471.2105	2.8517	471.4243	2.8472	471.6382	2.7163
471.0017	2.7099	471.2156	2.9561	471.4294	3.1613	471.6433	2.9597
471.0068	2.8884	471.2207	2.7607	471.4345	3.0394	471.6483	2.7638
471.0119	2.8071	471.2258	2.8880	471.4396	2.8852	471.6534	2.8224
471.0170	2.9204	471.2309	2.7617	471.4447	2.8528	471.6585	2.7782
471.0221	2.9254	471.2359	2.6515	471.4498	2.7839	471.6636	2.9664
471.0272	2.8950	471.2410	2.7731	471.4549	2.9624	471.6687	2.8163
471.0323	2.9467	471.2461	2.6068	471.4600	3.0406	471.6738	2.8016
471.0374	2.7337	471.2512	2.7703	471.4651	3.1626	471.6789	2.8957
471.0425	2.9209	471.2563	2.7381	471.4702	3.0291	471.6840	2.8287
471.0475	2.7612	471.2614	2.6985	471.4753	3.1515	471.6891	3.0529



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
471.6942	3.0089	471.9080	3.2133	472.1219	3.1981	472.3359	3.2439
471.6993	3.0349	471.9131	3.3176	472.1270	3.2696	472.3409	3.5663
471.7044	3.1166	471.9182	3.1415	472.1320	3.2436	472.3460	3.1914
471.7095	3.2088	471.9233	3.2299	472.1371	3.1521	472.3510	3.0087
471.7145	3.1511	471.9284	3.4774	472.1422	3.2008	472.3561	2.9929
471.7196	3.0852	471.9335	3.5679	472.1473	3.3209	472.3611	3.1047
471.7247	3.4204	471.9386	3.4133	472.1524	3.0661	472.3662	3.1193
471.7298	3.4786	471.9437	3.5553	472.1575	3.3968	472.3712	2.9994
471.7349	3.0646	471.9488	3.4663	472.1626	3.0474	472.3763	3.3613
471.7400	3.1580	471.9539	3.6495	472.1677	3.0326	472.3813	3.1216
471.7451	2.9298	471.9590	3.7193	472.1728	3.2868	472.3864	3.0698
471.7502	3.0784	471.9641	3.3797	472.1779	3.2209	472.3914	3.1012
471.7553	3.1493	471.9691	3.2820	472.1830	3.2254	472.3965	3.1943
471.7604	2.9891	471.9742	3.3147	472.1880	3.3619	472.4016	3.3945
471.7655	3.3312	471.9793	3.4649	472.1931	3.1365	472.4066	3.3195
471.7706	3.0097	471.9844	3.4831	472.1982	3.2992	472.4117	2.9869
471.7756	3.0162	471.9895	3.3443	472.2033	2.8800	472.4167	3.1495
471.7807	3.2425	471.9946	3.4124	472.2084	3.0747	472.4218	2.9497
471.7858	3.0577	471.9997	3.6058	472.2135	2.8925	472.4268	3.1239
471.7909	3.2020	472.0048	3.4909	472.2186	3.2544	472.4318	3.0616
471.7960	3.2384	472.0099	3.2556	472.2237	3.0713	472.4369	2.8775
471.8011	3.1253	472.0150	3.4283	472.2288	3.0199	472.4419	2.9608
471.8062	3.2224	472.0201	3.3055	472.2339	3.3632	472.4470	2.9815
471.8113	3.0850	472.0251	2.9764	472.2390	3.3389	472.4520	2.9334
471.8164	3.1639	472.0302	3.2175	472.2441	3.1191	472.4571	2.9851
471.8215	3.2668	472.0353	3.2624	472.2492	3.0951	472.4621	3.0105
471.8266	3.2786	472.0404	3.2114	472.2542	3.3007	472.4672	2.9894
471.8317	3.2134	472.0455	3.1294	472.2593	3.0900	472.4722	3.1141
471.8368	3.0475	472.0506	3.3640	472.2644	3.2066	472.4773	2.8443
471.8418	3.1287	472.0557	3.1470	472.2695	2.9488	472.4823	3.1413
471.8469	3.1625	472.0608	3.3711	472.2746	2.8814	472.4874	2.9735
471.8520	3.3007	472.0659	3.4191	472.2797	2.9155	472.4924	2.9363
471.8571	3.2429	472.0710	3.1833	472.2848	2.9997	472.4975	2.9924
471.8622	3.2787	472.0760	3.1801	472.2899	2.9467	472.5025	2.8073
471.8673	3.1046	472.0811	3.0661	472.2950	2.9374	472.5076	3.0313
471.8724	3.1888	472.0862	2.8034	472.3001	3.2085	472.5126	3.0343
471.8775	3.1097	472.0913	2.9946	472.3056	3.2450	472.5177	2.7940
471.8826	3.1791	472.0964	3.2796	472.3106	3.2616	472.5227	2.7416
471.8877	2.9856	472.1015	2.9860	472.3157	3.1834	472.5278	3.1348
471.8928	3.3781	472.1066	3.0718	472.3207	3.1812	472.5328	2.8703
471.8979	3.2966	472.1117	3.0266	472.3258	3.4421	472.5379	2.8651
471.9029	3.3031	472.1168	3.1431	472.3308	3.1620	472.5429	2.7712



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
472.5480	2.9451	472.7600	3.1352	472.9721	3.0873	473.1842	3.0440
472.5530	2.8446	472.7651	3.1595	472.9772	3.2709	473.1892	3.1842
472.5581	2.8154	472.7701	3.0061	472.9822	3.0640	473.1943	3.1502
472.5631	2.7577	472.7752	3.1658	472.9872	2.9524	473.1993	3.1723
472.5682	2.7962	472.7802	2.7945	472.9923	3.0125	473.2044	3.4057
472.5732	3.0005	472.7853	3.0798	472.9973	2.9505	473.2094	3.3671
472.5783	2.7865	472.7903	3.0676	473.0024	2.9207	473.2145	3.4164
472.5833	2.7590	472.7954	3.0868	473.0074	3.0065	473.2195	3.2812
472.5884	2.9453	472.8004	2.9608	473.0125	3.1960	473.2246	3.1932
472.5934	2.9089	472.8055	3.2344	473.0175	3.1367	473.2296	3.2049
472.5984	2.9273	472.8105	3.1513	473.0226	3.2837	473.2347	3.2872
472.6035	2.7417	472.8156	3.3513	473.0276	3.3131	473.2397	3.2362
472.6086	3.1427	472.8206	3.1913	473.0327	3.5044	473.2448	3.4090
472.6136	2.8025	472.8257	2.9845	473.0378	3.4001	473.2498	3.2315
472.6187	2.9751	472.8307	3.0428	473.0428	3.3146	473.2549	3.1116
472.6237	2.8893	472.8358	3.2388	473.0479	3.2768	473.2599	3.0537
472.6288	3.0223	472.8408	3.1180	473.0529	3.3246	473.2650	3.1947
472.6338	2.9245	472.8459	3.2361	473.0580	3.2882	473.2700	3.3191
472.6389	3.0368	472.8509	3.3206	473.0630	3.3869	473.2751	2.9783
472.6439	3.2073	472.8560	3.4574	473.0681	3.1674	473.2801	3.1680
472.6490	2.9629	472.8610	3.4447	473.0731	3.2363	473.2852	3.1061
472.6540	3.2193	472.8661	3.6119	473.0782	3.2036	473.2902	3.1809
472.6591	3.2499	472.8711	3.4154	473.0832	2.9365	473.2953	3.2251
472.6641	3.2387	472.8762	3.1906	473.0883	3.1640	473.3003	3.4919
472.6692	3.0727	472.8812	3.3065	473.0933	3.1295	473.3054	3.6703
472.6742	2.9307	472.8863	3.4060	473.0983	3.0634	473.3104	3.8502
472.6793	2.9996	472.8913	3.3432	473.1034	3.0485	473.3155	3.3797
472.6843	2.8402	472.8964	3.2892	473.1084	3.0347	473.3205	3.4374
472.6894	2.7633	472.9014	3.4131	473.1135	3.0119	473.3256	3.6183
472.6944	3.0153	472.9065	3.3219	473.1185	2.9057	473.3306	3.6264
472.6995	2.9292	472.9115	3.6289	473.1236	2.7968	473.3357	3.9562
472.7045	2.9361	472.9166	3.1390	473.1286	2.9708	473.3407	4.0697
472.7095	3.0410	472.9216	3.0747	473.1337	2.8986	473.3458	4.0588
472.7146	2.8590	472.9267	3.1487	473.1387	3.0550	473.3508	3.9467
472.7196	2.8409	472.9317	3.0232	473.1438	2.9759	473.3559	3.6920
472.7247	2.8692	472.9368	2.7960	473.1488	3.1402	473.3609	3.6287
472.7297	2.8109	472.9418	3.1052	473.1539	3.0644	473.3660	3.8923
472.7348	3.0595	472.9469	3.0166	473.1589	3.2089	473.3710	3.4470
472.7398	3.2476	472.9519	2.9466	473.1640	3.0629	473.3761	3.4959
472.7449	3.0192	472.9570	2.8746	473.1690	3.1495	473.3811	3.5181
472.7499	3.5702	472.9620	3.1325	473.1741	3.2846	473.3861	3.6262
472.7550	3.4094	472.9671	3.2403	473.1791	3.0585	473.3912	3.4817



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
473.3962	3.5628	473.6083	3.6103	473.8204	4.3127	474.0325	5.2539
473.4013	3.4209	473.6134	3.5832	473.8254	4.4723	474.0375	5.8573
473.4063	3.2480	473.6184	3.4883	473.8305	4.3834	474.0426	5.0751
473.4114	3.2359	473.6235	3.7649	473.8355	4.5273	474.0476	5.1790
473.4164	3.3009	473.6285	3.7244	473.8406	4.6953	474.0526	5.0776
473.4215	3.2230	473.6336	3.9973	473.8456	4.5828	474.0577	4.9439
473.4265	3.2386	473.6386	3.7688	473.8507	4.3199	474.0627	4.9872
473.4316	3.2892	473.6437	3.9003	473.8557	4.3148	474.0678	4.5666
473.4366	3.3883	473.6487	3.8866	473.8608	4.2892	474.0728	4.6858
473.4417	3.4883	473.6538	4.0984	473.8658	4.4610	474.0779	4.6016
473.4467	3.4113	473.6588	4.1619	473.8709	4.1754	474.0829	4.8232
473.4518	3.5371	473.6638	4.0368	473.8759	4.6449	474.0880	4.8354
473.4568	3.4248	473.6689	4.4346	473.8810	4.9661	474.0930	5.1570
473.4619	3.2764	473.6740	4.3535	473.8860	4.8293	474.0981	5.1258
473.4669	3.4130	473.6790	2.2821	473.8911	4.7194	474.1031	4.6142
473.4720	3.5512	473.6841	1.9544	473.8961	4.7515	474.1082	4.7578
473.4771	3.7492	473.6891	4.7561	473.9012	5.2842	474.1133	5.0073
473.4821	3.9407	473.6942	5.2718	473.9062	4.8470	474.1183	4.4610
473.4872	3.9260	473.6992	4.6456	473.9113	4.9529	474.1234	4.5439
473.4922	3.8824	473.7043	5.5069	473.9163	4.8689	474.1284	4.5460
473.4972	3.6528	473.7093	4.8325	473.9214	5.3343	474.1335	5.0252
473.5023	3.5631	473.7144	4.4612	473.9264	5.0784	474.1385	5.0305
473.5073	3.7838	473.7194	4.6551	473.9315	5.1789	474.1436	4.7761
473.5124	3.7399	473.7245	4.3648	473.9365	5.8647	474.1486	5.2421
473.5174	3.6539	473.7295	4.1467	473.9416	5.6397	474.1537	5.1695
473.5225	3.7036	473.7346	4.2814	473.9466	5.9977	474.1587	5.3972
473.5275	3.7134	473.7396	4.2596	473.9517	5.6241	474.1638	4.7029
473.5326	3.9215	473.7447	4.3959	473.9567	5.0742	474.1688	4.9341
473.5376	3.7790	473.7497	4.5982	473.9618	5.2798	474.1738	5.0422
473.5427	3.7285	473.7548	4.3181	473.9668	5.3330	474.1789	5.4284
473.5477	3.8211	473.7598	4.5747	473.9719	5.1351	474.1839	5.1324
473.5528	3.8062	473.7649	4.3838	473.9769	5.6711	474.1890	5.1636
473.5578	3.5507	473.7699	4.8427	473.9820	5.4605	474.1940	4.8116
473.5629	3.5919	473.7749	4.9521	473.9870	5.6307	474.1991	4.9431
473.5679	3.6184	473.7800	4.5739	473.9921	5.6230	474.2041	4.8714
473.5730	3.6752	473.7850	4.4301	473.9971	5.0235	474.2092	4.7626
473.5780	3.7771	473.7901	4.3460	474.0022	5.1592	474.2142	4.9984
473.5831	3.6367	473.7951	4.8368	474.0072	6.0885	474.2193	4.9129
473.5881	3.7491	473.8002	4.3178	474.0123	5.4727	474.2243	5.1402
473.5932	3.6070	473.8052	4.3228	474.0173	5.0430	474.2294	5.4809
473.5982	3.8925	473.8103	4.3168	474.0224	5.4977	474.2344	5.3443
473.6033	3.7916	473.8153	4.2722	474.0274	5.4797	474.2395	5.1288



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
474.2445	5.0196	474.4566	3.8678	474.6687	4.2260	474.8807	4.9622
474.2496	5.2258	474.4616	4.0263	474.6737	4.1016	474.8858	4.5650
474.2546	4.8556	474.4667	4.2405	474.6788	4.1036	474.8908	4.7429
474.2597	4.6563	474.4717	4.1805	474.6838	4.3183	474.8959	4.6466
474.2647	4.6571	474.4768	4.4108	474.6889	4.2847	474.9009	4.9498
474.2698	4.5976	474.4818	4.2092	474.6939	4.2576	474.9060	4.5799
474.2748	4.5786	474.4869	4.9094	474.6990	4.3615	474.9110	4.6946
474.2799	4.4662	474.4919	4.6873	474.7040	4.5759	474.9161	4.4160
474.2849	4.4047	474.4970	4.5930	474.7091	5.0360	474.9211	4.8004
474.2900	5.1326	474.5020	4.3958	474.7141	4.9818	474.9262	4.4895
474.2950	4.9255	474.5071	4.3197	474.7192	5.8504	474.9312	4.3699
474.3001	4.8785	474.5121	4.2395	474.7242	4.8238	474.9363	4.6926
474.3051	4.8842	474.5172	4.2645	474.7292	4.6803	474.9413	4.6631
474.3102	4.7356	474.5222	4.3253	474.7343	4.4918	474.9464	4.5037
474.3152	4.4929	474.5273	4.3708	474.7393	4.2940	474.9514	5.0604
474.3203	4.5093	474.5323	4.3055	474.7444	3.9025	474.9565	4.8060
474.3253	4.8133	474.5374	4.0886	474.7495	4.3240	474.9615	4.8380
474.3304	4.4231	474.5424	4.3377	474.7545	4.3003	474.9666	4.5043
474.3354	4.6214	474.5475	4.5346	474.7596	4.7345	474.9716	4.5483
474.3405	4.5494	474.5526	4.2396	474.7646	5.0444	474.9767	4.7059
474.3455	4.6810	474.5576	4.7783	474.7697	5.4502	474.9817	4.5638
474.3506	4.7755	474.5626	4.5698	474.7747	5.4517	474.9868	4.8393
474.3556	4.6613	474.5677	4.5541	474.7798	5.2754	474.9918	4.9754
474.3607	4.8830	474.5727	4.8676	474.7848	5.7594	474.9969	4.8365
474.3657	4.6146	474.5778	4.5887	474.7899	4.7236	475.0019	4.9555
474.3708	4.9404	474.5828	4.8574	474.7949	5.0350	475.0070	5.1740
474.3758	4.7043	474.5879	4.6814	474.8000	5.0315	475.0120	5.1341
474.3809	4.6105	474.5929	5.2605	474.8050	5.2912	475.0171	4.9189
474.3859	4.3471	474.5980	4.9326	474.8101	5.0971	475.0221	5.0908
474.3910	5.1240	474.6030	4.9241	474.8151	5.1396	475.0272	5.1860
474.3960	5.0425	474.6081	4.7819	474.8202	5.4079	475.0322	5.0085
474.4011	4.6626	474.6131	4.6998	474.8252	5.2177	475.0373	5.1084
474.4061	4.6155	474.6182	4.9294	474.8303	5.3231	475.0423	5.0315
474.4112	4.8486	474.6232	4.8820	474.8353	5.2743	475.0474	4.9091
474.4162	4.4958	474.6283	4.7466	474.8403	5.2197	475.0524	4.9587
474.4213	4.6329	474.6333	4.8087	474.8454	5.4948	475.0575	4.7615
474.4263	4.7182	474.6384	4.7823	474.8504	4.9716	475.0625	4.6214
474.4314	4.4157	474.6434	4.4614	474.8555	4.9507	475.0676	4.8977
474.4364	4.6431	474.6485	4.3351	474.8605	5.1601	475.0726	5.0528
474.4415	4.1808	474.6535	4.1570	474.8656	5.0792	475.0777	4.5277
474.4465	4.6864	474.6586	4.1660	474.8706	5.1187	475.0827	4.2920
474.4515	4.2793	474.6636	4.2860	474.8757	5.1159	475.0878	4.5996



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
475.0928	4.7718	475.3049	4.3544	475.5169	4.4356	475.7290	3.6871
475.0979	4.3357	475.3099	4.2493	475.5220	4.1177	475.7341	3.9385
475.1029	4.5470	475.3150	4.4662	475.5270	4.3175	475.7391	3.4839
475.1080	4.7513	475.3200	4.3934	475.5321	4.1663	475.7442	3.4904
475.1130	4.8158	475.3251	4.3363	475.5371	4.2124	475.7492	3.5733
475.1181	4.7931	475.3301	4.4086	475.5422	4.1386	475.7543	3.4909
475.1231	4.4088	475.3352	4.2390	475.5472	4.0828	475.7593	3.3829
475.1281	4.4665	475.3402	4.1689	475.5523	4.1354	475.7644	3.3366
475.1332	4.4532	475.3453	4.4010	475.5573	4.3058	475.7694	3.4435
475.1382	4.7320	475.3503	4.3162	475.5624	4.2654	475.7745	3.4162
475.1433	4.6672	475.3554	4.2929	475.5674	4.1756	475.7795	3.4905
475.1483	4.2422	475.3604	4.4611	475.5725	4.3363	475.7846	3.5262
475.1534	4.1370	475.3655	4.5198	475.5775	4.3162	475.7896	3.3289
475.1584	4.2796	475.3705	4.2006	475.5826	4.2637	475.7946	3.7062
475.1635	4.4384	475.3756	4.4057	475.5876	4.4002	475.7997	3.6401
475.1685	4.3839	475.3806	4.1719	475.5927	4.4845	475.8047	3.6672
475.1736	4.3962	475.3857	4.1493	475.5977	4.3934	475.8098	3.7787
475.1786	4.2437	475.3907	4.4682	475.6028	4.4832	475.8148	3.7795
475.1837	4.1964	475.3958	4.3522	475.6078	4.4212	475.8199	3.6793
475.1888	4.7215	475.4008	4.7185	475.6129	4.3209	475.8250	3.8153
475.1938	4.7972	475.4059	4.4471	475.6180	4.5554	475.8300	3.7582
475.1989	5.1643	475.4109	4.1807	475.6230	4.3889	475.8351	3.7867
475.2039	4.6572	475.4160	4.2822	475.6280	4.0655	475.8401	3.7879
475.2090	4.7944	475.4210	4.4002	475.6331	4.1019	475.8452	3.8479
475.2140	5.0220	475.4261	4.2581	475.6381	4.0606	475.8502	3.9293
475.2191	4.5846	475.4311	4.4414	475.6432	4.0190	475.8553	4.2040
475.2241	4.7150	475.4362	4.5045	475.6482	3.9691	475.8603	3.9417
475.2292	4.6886	475.4412	4.3354	475.6533	3.9696	475.8654	3.9404
475.2342	4.4863	475.4463	4.6354	475.6583	3.7436	475.8704	3.8096
475.2392	4.5420	475.4513	5.1534	475.6634	3.6118	475.8755	3.7262
475.2443	4.4786	475.4564	4.7286	475.6684	3.7385	475.8805	3.7898
475.2493	4.5606	475.4614	4.7121	475.6735	3.6832	475.8856	4.0144
475.2544	4.8876	475.4665	4.5378	475.6785	3.8036	475.8906	4.2435
475.2594	5.0340	475.4715	4.5857	475.6836	3.7202	475.8957	3.9793
475.2645	4.7804	475.4766	4.5441	475.6886	3.8722	475.9007	3.8739
475.2695	4.6325	475.4816	4.3898	475.6937	3.9384	475.9058	3.9747
475.2746	4.3891	475.4867	4.3630	475.6987	4.0847	475.9108	3.9535
475.2796	4.5159	475.4917	4.5632	475.7038	3.9293	475.9158	3.9615
475.2847	4.5727	475.4968	4.4684	475.7088	4.0288	475.9209	3.8730
475.2897	4.7812	475.5018	4.5159	475.7139	3.7513	475.9259	3.7284
475.2948	4.3423	475.5069	4.2978	475.7189	3.7754	475.9310	3.9893
475.2998	4.1849	475.5119	4.5928	475.7240	3.6935	475.9360	4.0393



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
475.9411	3.9157	476.1532	3.6776	476.3652	3.7045	476.5773	3.3383
475.9461	4.3833	476.1582	3.2739	476.3703	3.7246	476.5823	3.1949
475.9512	4.1532	476.1633	3.4631	476.3753	3.5467	476.5874	3.4056
475.9562	3.9080	476.1683	3.4131	476.3804	3.6240	476.5924	3.2191
475.9613	3.6601	476.1734	3.4983	476.3854	3.5700	476.5975	3.2597
475.9663	3.9470	476.1784	3.5299	476.3905	3.5920	476.6025	3.2473
475.9714	3.9626	476.1835	3.4693	476.3955	3.8521	476.6076	3.5039
475.9764	4.0129	476.1885	3.5790	476.4006	3.5392	476.6126	3.2837
475.9815	4.0784	476.1935	3.7028	476.4056	3.6800	476.6177	3.3691
475.9865	4.0092	476.1986	4.0445	476.4107	3.6388	476.6227	3.2841
475.9916	3.9932	476.2036	3.8321	476.4157	3.7394	476.6278	3.4131
475.9966	4.4800	476.2087	4.3170	476.4208	3.5860	476.6328	3.3948
476.0017	4.0759	476.2137	3.8593	476.4258	3.6637	476.6379	3.6678
476.0067	4.1076	476.2188	3.8507	476.4309	3.5307	476.6429	3.5811
476.0118	4.0898	476.2238	3.7725	476.4359	3.7973	476.6480	3.4154
476.0168	3.9391	476.2289	3.6255	476.4410	3.6890	476.6530	3.6087
476.0219	3.9820	476.2339	3.8501	476.4460	3.7766	476.6581	3.7248
476.0269	4.0712	476.2390	3.7234	476.4511	4.0373	476.6631	3.8390
476.0320	3.8542	476.2440	3.8769	476.4561	3.8084	476.6682	3.8423
476.0370	3.8258	476.2491	4.0266	476.4612	3.7597	476.6732	3.7423
476.0421	3.7790	476.2542	3.6357	476.4662	3.5824	476.6783	3.8600
476.0471	3.5625	476.2592	3.9195	476.4713	3.7411	476.6833	3.9738
476.0522	3.6482	476.2643	3.8811	476.4763	3.4117	476.6884	3.6955
476.0572	3.6845	476.2693	3.6807	476.4814	3.4651	476.6935	3.7087
476.0623	3.8528	476.2744	4.2349	476.4864	3.4846	476.6985	3.4952
476.0673	3.7652	476.2794	4.1912	476.4915	3.4225	476.7035	3.5859
476.0724	3.6398	476.2845	3.9530	476.4965	3.5219	476.7086	3.6530
476.0774	3.7625	476.2895	3.8067	476.5016	3.5823	476.7136	3.6463
476.0825	3.5801	476.2946	4.0502	476.5066	3.7334	476.7187	3.8484
476.0875	3.5771	476.2996	3.6251	476.5117	3.4960	476.7237	3.8324
476.0926	3.5976	476.3046	3.7875	476.5167	3.5644	476.7288	4.0266
476.0976	3.7999	476.3097	3.6033	476.5218	3.6841	476.7338	3.9135
476.1027	3.7792	476.3147	3.7353	476.5268	3.6236	476.7389	3.7345
476.1077	3.6856	476.3198	3.7257	476.5319	3.5967	476.7439	3.8363
476.1128	3.5972	476.3248	3.8138	476.5369	3.3813	476.7490	3.6744
476.1178	3.6880	476.3299	3.5494	476.5420	3.3175	476.7540	3.7827
476.1229	3.6363	476.3349	3.6463	476.5470	3.0857	476.7591	3.4698
476.1279	3.3700	476.3400	3.8579	476.5521	3.1447	476.7641	3.6295
476.1330	3.2352	476.3450	3.7358	476.5571	2.9509	476.7692	3.3823
476.1380	3.3840	476.3501	3.7692	476.5622	3.1392	476.7742	3.4825
476.1431	3.3522	476.3551	3.7338	476.5672	3.1647	476.7793	3.2895
476.1481	3.3340	476.3602	3.7156	476.5723	3.1757	476.7843	3.3446



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

476.7894	3.0836	476.9998	3.3790	477.2122	3.2667	477.4247	3.4071
476.7944	3.0883	477.0048	3.5410	477.2173	3.3327	477.4298	3.4389
476.7995	3.2672	477.0099	3.6211	477.2224	3.3633	477.4348	3.2184
476.8045	3.2086	477.0149	3.4753	477.2274	3.4897	477.4399	3.4802
476.8096	3.2742	477.0200	3.4457	477.2325	3.5445	477.4449	3.3934
476.8146	3.4366	477.0250	3.2716	477.2375	3.5040	477.4500	3.2816
476.8176	3.4015	477.0301	3.2448	477.2426	3.4417	477.4551	3.3424
476.8227	3.2913	477.0352	3.3349	477.2477	3.5509	477.4601	3.5719
476.8277	3.4607	477.0402	3.2122	477.2527	3.5887	477.4652	3.1650
476.8328	3.4782	477.0453	3.3006	477.2578	3.3826	477.4702	3.2033
476.8378	3.4559	477.0503	3.3814	477.2628	3.3500	477.4753	3.2557
476.8429	3.2696	477.0554	3.3742	477.2679	3.4842	477.4804	3.2975
476.8480	3.2589	477.0605	3.3815	477.2729	3.2882	477.4854	3.2717
476.8530	3.3192	477.0655	3.3859	477.2780	3.2338	477.4905	3.2455
476.8581	3.3355	477.0706	3.3746	477.2831	3.2720	477.4955	3.2614
476.8631	3.4377	477.0756	3.2451	477.2881	3.3703	477.5006	3.2006
476.8682	3.4030	477.0807	3.3471	477.2932	3.3051	477.5057	3.1960
476.8733	3.4539	477.0858	3.2339	477.2982	3.4424	477.5107	3.2925
476.8783	3.4719	477.0908	3.3493	477.3033	3.4199	477.5158	3.2894
476.8834	3.5197	477.0959	3.2360	477.3083	3.1421	477.5208	3.1929
476.8884	3.2664	477.1009	3.2969	477.3134	3.4092	477.5259	3.3622
476.8935	3.2232	477.1060	3.4426	477.3185	3.4557	477.5310	3.4457
476.8986	3.2509	477.1111	3.2549	477.3235	3.1405	477.5360	3.3707
476.9036	3.3051	477.1161	3.1368	477.3286	3.3506	477.5411	3.2893
476.9087	3.1965	477.1212	3.1576	477.3336	3.2161	477.5461	3.3073
476.9137	3.5409	477.1262	3.2942	477.3387	3.3515	477.5512	3.2754
476.9188	3.3853	477.1313	3.2720	477.3438	3.6804	477.5563	3.3302
476.9239	3.4214	477.1364	3.2814	477.3488	3.5783	477.5613	3.1867
476.9289	3.4456	477.1414	3.4384	477.3539	3.4706	477.5664	3.1512
476.9340	3.5672	477.1465	3.1627	477.3589	3.6572	477.5714	3.3767
476.9390	3.8561	477.1515	3.1444	477.3640	3.5004	477.5765	3.5083
476.9441	3.8684	477.1566	3.3307	477.3691	3.3712	477.5816	3.7343
476.9492	3.7623	477.1617	3.2112	477.3741	3.3317	477.5866	3.3369
476.9542	3.8774	477.1667	3.1267	477.3792	3.3580	477.5917	3.2225
476.9593	3.5769	477.1718	3.2722	477.3842	3.5349	477.5967	3.2312
476.9643	3.6408	477.1768	3.3931	477.3893	3.6087	477.6018	3.2687
476.9694	3.8331	477.1819	3.3473	477.3944	3.7046	477.6069	3.2481
476.9745	3.8041	477.1870	3.3432	477.3994	3.7299	477.6119	3.2763
476.9795	3.5108	477.1920	3.2000	477.4045	3.6213	477.6170	3.1457
476.9846	3.3827	477.1971	3.4439	477.4095	3.4824	477.6220	3.5807
476.9896	3.5813	477.2021	3.2767	477.4146	3.2476	477.6271	3.6273
476.9947	3.5262	477.2072	3.3450	477.4197	3.3844	477.6321	3.6728



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
477.6372	3.5163	477.8497	3.4065	478.0622	3.5929	478.2747	3.1081
477.6423	3.6355	477.8548	3.4862	478.0673	3.7849	478.2798	3.1427
477.6473	3.7481	477.8598	3.4413	478.0723	3.6730	478.2848	3.0995
477.6524	3.8526	477.8649	3.4769	478.0774	3.7974	478.2899	3.2807
477.6574	3.7038	477.8699	3.6927	478.0824	3.7496	478.2949	3.1663
477.6625	3.6746	477.8750	3.4116	478.0875	3.4691	478.3000	3.1893
477.6676	3.6927	477.8801	3.2180	478.0926	3.6291	478.3051	3.1343
477.6726	3.7613	477.8851	3.1797	478.0976	3.6623	478.3101	3.1567
477.6777	3.5171	477.8902	3.2433	478.1027	3.8216	478.3152	3.4836
477.6827	3.4676	477.8952	3.0901	478.1077	3.7064	478.3202	3.4189
477.6878	3.2917	477.9003	2.9949	478.1128	3.6296	478.3253	3.4011
477.6929	3.3469	477.9054	3.1709	478.1179	3.5321	478.3304	3.3232
477.6979	3.3401	477.9104	3.1022	478.1229	3.3569	478.3354	3.3957
477.7030	3.2379	477.9155	3.1190	478.1280	3.4263	478.3405	3.2917
477.7080	3.4432	477.9205	3.1170	478.1330	3.2888	478.3455	3.1396
477.7131	3.3958	477.9256	3.1903	478.1381	3.3172	478.3506	3.0727
477.7182	3.4991	477.9307	3.2205	478.1432	3.1458	478.3556	3.0873
477.7232	3.6978	477.9357	3.3165	478.1482	3.3018	478.3607	2.9353
477.7283	3.6452	477.9408	3.4050	478.1533	3.1384	478.3658	3.0621
477.7333	3.2971	477.9458	3.3091	478.1583	3.2586	478.3708	3.1594
477.7384	3.2185	477.9509	3.4068	478.1634	3.3285	478.3759	3.1688
477.7435	3.2712	477.9560	3.2360	478.1684	3.1849	478.3809	3.2609
477.7485	3.4718	477.9610	3.1627	478.1735	3.3416	478.3860	3.0623
477.7536	3.3140	477.9661	3.3067	478.1786	3.3235	478.3911	3.3659
477.7586	3.5330	477.9711	3.3646	478.1836	3.3961	478.3961	3.3010
477.7637	3.8044	477.9762	3.1070	478.1887	3.2786	478.4012	3.3448
477.7688	3.6913	477.9812	3.2102	478.1937	3.3233	478.4062	3.3890
477.7738	3.4335	477.9863	3.1935	478.1988	3.4229	478.4113	3.4468
477.7789	3.7391	477.9914	3.2873	478.2039	3.2332	478.4164	3.4424
477.7839	3.5094	477.9964	3.4506	478.2089	3.2445	478.4214	3.3236
477.7890	3.5373	478.0015	3.5119	478.2140	3.2082	478.4265	3.4425
477.7941	3.5184	478.0065	3.4833	478.2190	3.2211	478.4315	3.4058
477.7991	3.4905	478.0116	3.8190	478.2241	3.2034	478.4366	3.3509
477.8042	3.3003	478.0167	3.6270	478.2292	3.3892	478.4417	3.1778
477.8092	3.2764	478.0217	3.6983	478.2342	3.2868	478.4467	3.0776
477.8143	3.2579	478.0268	3.5748	478.2393	3.2016	478.4518	3.1521
477.8193	3.2710	478.0318	3.8339	478.2443	3.1387	478.4568	2.9040
477.8244	3.4725	478.0369	3.7958	478.2494	3.1365	478.4619	2.9282
477.8295	3.4514	478.0420	3.6438	478.2545	3.1130	478.4669	3.0485
477.8345	3.2837	478.0470	3.5531	478.2595	3.1464	478.4720	3.2214
477.8396	3.2770	478.0521	3.5628	478.2646	3.2621	478.4771	3.1525
477.8446	3.3129	478.0571	3.5164	478.2696	3.1237	478.4821	3.2784



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
478.4872	3.1928	478.6997	3.1920	478.9122	3.5553	479.1246	3.6370
478.4922	3.2341	478.7047	3.1758	478.9172	3.6072	479.1297	3.4951
478.4973	3.1986	478.7098	3.1792	478.9223	3.4538	479.1348	3.4572
478.5023	3.2566	478.7148	3.2051	478.9273	3.8273	479.1398	3.6777
478.5074	3.3042	478.7199	3.4148	478.9324	3.6239	479.1449	3.2286
478.5125	3.2304	478.7250	3.6184	478.9375	3.6454	479.1499	3.2856
478.5175	3.0996	478.7300	3.3735	478.9425	3.6369	479.1550	3.3965
478.5226	3.1589	478.7351	3.4116	478.9476	3.4622	479.1601	3.4596
478.5276	3.2079	478.7401	3.3021	478.9526	3.3792	479.1651	3.3344
478.5327	3.1927	478.7452	3.5943	478.9577	3.2420	479.1702	3.5948
478.5378	3.2589	478.7503	3.2580	478.9627	3.2132	479.1752	3.6471
478.5428	3.3403	478.7553	3.6684	478.9678	3.2030	479.1803	3.4938
478.5479	3.6711	478.7604	3.6226	478.9729	3.3490	479.1854	3.7734
478.5529	3.7380	478.7654	3.5329	478.9779	3.0972	479.1904	3.5166
478.5580	3.5031	478.7705	3.6044	478.9830	3.1775	479.1955	3.5996
478.5631	3.6027	478.7755	3.5742	478.9880	3.2322	479.2005	3.4774
478.5681	3.4558	478.7806	3.7885	478.9931	3.2611	479.2056	3.6625
478.5732	3.4108	478.7857	3.4200	478.9982	3.3235	479.2107	3.6437
478.5782	3.4568	478.7907	3.5090	479.0032	3.4381	479.2157	3.6638
478.5833	3.3950	478.7958	3.4424	479.0083	3.4234	479.2208	3.9997
478.5883	3.4913	478.8008	3.4697	479.0133	3.4673	479.2258	3.8342
478.5934	3.4862	478.8059	3.5351	479.0184	3.5627	479.2309	3.8215
478.5985	3.2391	478.8110	3.2839	479.0235	3.5410	479.2360	3.6028
478.6035	3.3970	478.8160	3.4822	479.0285	3.6518	479.2410	3.6360
478.6086	3.3220	478.8211	3.5410	479.0336	3.7303	479.2461	3.7934
478.6136	3.3494	478.8261	3.4989	479.0386	3.7830	479.2511	3.5319
478.6187	3.1059	478.8312	3.3635	479.0437	3.7319	479.2562	3.6621
478.6238	3.1947	478.8363	3.3326	479.0488	3.5421	479.2613	3.7018
478.6288	3.1638	478.8413	3.3692	479.0538	3.5102	479.2663	3.8350
478.6339	3.1295	478.8464	3.6155	479.0589	3.4787	479.2714	3.6867
478.6389	3.2192	478.8514	3.5072	479.0639	3.5866	479.2764	3.7108
478.6440	3.0356	478.8565	3.2787	479.0690	3.5432	479.2815	3.5573
478.6491	2.9876	478.8616	3.5968	479.0741	3.5797	479.2866	3.5997
478.6541	3.1091	478.8666	3.6897	479.0791	3.4631	479.2916	3.5502
478.6592	3.0670	478.8717	3.4468	479.0842	3.6278	479.2967	3.4306
478.6642	3.1422	478.8767	3.6990	479.0892	3.3919	479.3017	3.6594
478.6693	3.1614	478.8818	3.7736	479.0943	3.3833	479.3068	3.6795
478.6744	3.0264	478.8869	3.4934	479.0994	3.4753	479.3118	3.5376
478.6794	3.1222	478.8919	3.4023	479.1044	3.5844	479.3169	3.3898
478.6845	3.2142	478.8970	3.6297	479.1095	3.6720	479.3220	3.6944
478.6895	3.1102	478.9020	3.5025	479.1145	3.5475	479.3270	3.6900
478.6946	3.1653	478.9071	3.4755	479.1196	3.4633	479.3321	3.4791



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
479.3371	3.7506	479.5496	3.9410	479.7621	4.1914	479.9746	4.3164
479.3422	3.6014	479.5547	3.7842	479.7672	3.9436	479.9797	4.2224
479.3473	3.6361	479.5598	4.0295	479.7722	4.2336	479.9847	4.5660
479.3523	3.5906	479.5648	4.0065	479.7773	4.3164	479.9898	4.8740
479.3574	3.6637	479.5699	3.9315	479.7823	4.4945	479.9948	4.6701
479.3624	3.5901	479.5749	4.2084	479.7874	4.4070	479.9999	4.6557
479.3675	3.7513	479.5800	4.0357	479.7925	4.6033	480.0050	4.5793
479.3726	3.6662	479.5851	4.1642	479.7975	4.7182	480.0100	4.4542
479.3776	3.8600	479.5901	4.2757	479.8026	4.2488	480.0151	4.1756
479.3827	3.8832	479.5952	4.2894	479.8076	4.3716	480.0201	4.5192
479.3877	3.8488	479.6002	4.3936	479.8127	4.2350	480.0252	4.1282
479.3928	4.0153	479.6053	4.3946	479.8178	4.3303	480.0303	4.4255
479.3979	4.1474	479.6104	4.2548	479.8228	4.5078	480.0353	4.3403
479.4029	3.9354	479.6154	4.7853	479.8279	4.4860	480.0404	4.1292
479.4080	4.0171	479.6205	4.4277	479.8329	4.6159	480.0454	4.1019
479.4130	4.2740	479.6255	4.6103	479.8380	4.4251	480.0505	4.0960
479.4181	4.4251	479.6306	4.9848	479.8431	4.3160	480.0556	4.0481
479.4232	4.0362	479.6357	4.5500	479.8481	4.4420	480.0606	3.9339
479.4282	4.1991	479.6407	4.2069	479.8532	4.4640	480.0657	4.0356
479.4333	4.2554	479.6458	4.2549	479.8582	4.5261	480.0707	3.8329
479.4383	4.1755	479.6508	4.2275	479.8633	4.9195	480.0758	4.0595
479.4434	4.1148	479.6559	4.0861	479.8684	4.5623	480.0809	4.2756
479.4485	4.4483	479.6609	4.2882	479.8734	4.6821	480.0859	3.9832
479.4535	4.5417	479.6660	4.0311	479.8785	4.6079	480.0910	4.1213
479.4586	4.4536	479.6711	4.2105	479.8835	4.6125	480.0960	3.9412
479.4636	4.4518	479.6761	4.2656	479.8886	4.7197	480.1011	4.0532
479.4687	4.3131	479.6812	4.3687	479.8937	4.7242	480.1061	4.0567
479.4738	4.3165	479.6862	4.9201	479.8987	4.9790	480.1112	4.0308
479.4788	4.6358	479.6913	4.4456	479.9038	4.8387	480.1163	4.2254
479.4839	4.5187	479.6964	4.7784	479.9088	4.9159	480.1213	4.1528
479.4889	4.3787	479.7014	4.4221	479.9139	4.7385	480.1264	4.1738
479.4940	4.7100	479.7065	4.4621	479.9189	4.2607	480.1314	3.8222
479.4990	4.3791	479.7115	4.6585	479.9240	4.4299	480.1365	3.6735
479.5041	4.2369	479.7166	4.0819	479.9291	4.4352	480.1416	3.6239
479.5092	4.1951	479.7216	4.3791	479.9341	4.2751	480.1466	3.8898
479.5142	4.2154	479.7267	4.4117	479.9392	4.4489	480.1517	3.8253
479.5193	4.4177	479.7318	4.2826	479.9442	4.3813	480.1567	3.9577
479.5243	4.0240	479.7368	4.2163	479.9493	4.5739	480.1618	3.9945
479.5294	4.4037	479.7419	4.2793	479.9544	4.1415	480.1669	4.2507
479.5345	4.2806	479.7469	4.1921	479.9594	4.0521	480.1719	3.8789
479.5395	4.1495	479.7520	4.2620	479.9645	4.1451	480.1770	3.8947
479.5446	4.1123	479.7570	3.7031	479.9695	4.3211	480.1820	3.8511



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
480.1871	3.7887	480.3996	3.7061	480.6121	3.8537	480.8246	3.8347
480.1922	3.9520	480.4047	3.4098	480.6172	3.7714	480.8296	3.6056
480.1972	3.8114	480.4097	3.4042	480.6222	4.0885	480.8347	3.4457
480.2023	3.9254	480.4148	3.3251	480.6273	3.9508	480.8398	3.4763
480.2073	3.8977	480.4198	3.4834	480.6323	4.2176	480.8448	3.4494
480.2124	3.6067	480.4249	3.6036	480.6374	4.2498	480.8499	3.5131
480.2175	3.5712	480.4300	3.6612	480.6424	4.2913	480.8549	3.6191
480.2225	3.6233	480.4350	3.7701	480.6475	4.2156	480.8600	3.5133
480.2276	3.6912	480.4401	3.6978	480.6526	3.7230	480.8651	3.7025
480.2326	3.6959	480.4451	3.8946	480.6576	3.6697	480.8701	3.5259
480.2377	3.5542	480.4502	3.6095	480.6627	3.2526	480.8752	3.5594
480.2428	3.7987	480.4552	3.6202	480.6677	3.3928	480.8802	3.6252
480.2478	3.6009	480.4603	3.7257	480.6728	3.5298	480.8853	3.7296
480.2529	3.7528	480.4654	3.5792	480.6779	3.4705	480.8904	3.6252
480.2579	3.6771	480.4704	3.6346	480.6829	3.5151	480.8954	3.7865
480.2630	3.7220	480.4755	3.7897	480.6880	3.5708	480.9005	3.8599
480.2680	3.6969	480.4805	4.0868	480.6930	3.6901	480.9055	3.6609
480.2731	3.9580	480.4856	3.8871	480.6981	3.7059	480.9106	3.4398
480.2782	3.8883	480.4907	3.7405	480.7032	3.5196	480.9156	3.5234
480.2832	3.6589	480.4957	3.8893	480.7082	3.6638	480.9207	3.6846
480.2883	3.5699	480.5008	3.9232	480.7133	3.7737	480.9258	3.4441
480.2933	3.6129	480.5058	3.7545	480.7183	3.7936	480.9308	3.5753
480.2984	3.4431	480.5109	3.9181	480.7234	3.6954	480.9359	3.5321
480.3035	3.7154	480.5160	3.5535	480.7285	3.7916	480.9409	3.5551
480.3085	3.6014	480.5210	3.7244	480.7335	3.4701	480.9460	3.6519
480.3136	3.4036	480.5261	4.1020	480.7386	3.5906	480.9510	3.5347
480.3186	3.5054	480.5311	3.7671	480.7436	3.4635	480.9561	3.5548
480.3237	3.4340	480.5362	3.6812	480.7487	3.5459	480.9612	3.6947
480.3288	3.4991	480.5413	3.4756	480.7538	3.3706	480.9662	3.4317
480.3338	3.6007	480.5463	3.4232	480.7588	3.6218	480.9713	3.5438
480.3389	3.4437	480.5514	3.5876	480.7639	3.5806	480.9763	3.3476
480.3439	3.9544	480.5564	3.5626	480.7689	3.7724	480.9814	3.3739
480.3490	4.0599	480.5615	3.5036	480.7740	3.6314	480.9865	3.4402
480.3541	4.0679	480.5666	3.6795	480.7791	3.5006	480.9915	3.3113
480.3591	3.7059	480.5716	3.7940	480.7841	3.6317	480.9966	3.2805
480.3642	3.7654	480.5767	3.8448	480.7892	3.3592	481.0016	3.2473
480.3692	3.7054	480.5817	3.9717	480.7942	3.4909	481.0067	3.2524
480.3743	3.6075	480.5868	3.6292	480.7993	3.2852	481.0118	3.1707
480.3794	3.8632	480.5919	3.9559	480.8044	3.4162	481.0168	3.1680
480.3844	3.5860	480.5969	3.5828	480.8094	3.4041	481.0219	3.4688
480.3895	3.7204	480.6020	3.8764	480.8145	3.5561	481.0269	3.1810
480.3945	3.5161	480.6070	3.6986	480.8195	3.6517	481.0320	3.3766



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
481.0371	3.3255	481.2495	3.6500	481.4579	4.0240	481.6705	3.6526
481.0421	3.4320	481.2546	3.7859	481.4630	3.7598	481.6756	3.7037
481.0472	3.5694	481.2597	3.5635	481.4680	3.6129	481.6806	3.7281
481.0522	3.3996	481.2647	3.4468	481.4731	3.8551	481.6857	3.5634
481.0573	3.4550	481.2698	3.4933	481.4782	3.6458	481.6908	3.8932
481.0623	3.3608	481.2748	3.3015	481.4832	3.5501	481.6958	3.8237
481.0674	3.4702	481.2799	3.6192	481.4883	3.7846	481.7009	3.9966
481.0725	3.5648	481.2850	3.4212	481.4933	3.7315	481.7060	3.8551
481.0775	3.7908	481.2900	3.4854	481.4984	3.5551	481.7110	3.3828
481.0826	3.5864	481.2951	3.4812	481.5035	3.6343	481.7161	3.5871
481.0876	3.4724	481.3001	3.4787	481.5085	3.5855	481.7211	3.4116
481.0927	3.4544	481.3052	3.6675	481.5136	3.7799	481.7262	3.3669
481.0978	3.4423	481.3103	3.9330	481.5187	3.6890	481.7313	3.4783
481.1028	3.5916	481.3153	3.8777	481.5237	3.5910	481.7363	3.6101
481.1079	3.4007	481.3204	4.0579	481.5288	3.6793	481.7414	3.4145
481.1129	3.6520	481.3254	4.1052	481.5338	3.7054	481.7465	3.6503
481.1180	3.6058	481.3263	4.1736	481.5389	3.6623	481.7515	3.3492
481.1231	3.5780	481.3314	4.2561	481.5440	3.8174	481.7566	3.3757
481.1281	3.6838	481.3364	4.1572	481.5490	3.6385	481.7616	3.2967
481.1332	3.6886	481.3415	4.4098	481.5541	3.7055	481.7667	3.2277
481.1382	3.7221	481.3466	4.3491	481.5592	3.7858	481.7718	3.4382
481.1433	3.9028	481.3516	4.5289	481.5642	3.7403	481.7768	3.3870
481.1484	3.7232	481.3567	4.1180	481.5693	3.6768	481.7819	3.4058
481.1534	3.7011	481.3617	4.1139	481.5743	3.7762	481.7870	3.5541
481.1585	3.5231	481.3668	3.9797	481.5794	3.8492	481.7920	3.6357
481.1635	3.6131	481.3719	4.0330	481.5845	4.0135	481.7971	3.3352
481.1686	3.8621	481.3769	4.0691	481.5895	3.7758	481.8021	3.7425
481.1737	3.7122	481.3820	3.8930	481.5946	4.0372	481.8072	3.9070
481.1787	3.7014	481.3871	4.2696	481.5997	3.8134	481.8123	3.7886
481.1838	3.8120	481.3921	4.3615	481.6047	3.9357	481.8173	3.4721
481.1888	3.6984	481.3972	4.8024	481.6098	3.8766	481.8224	3.5184
481.1939	3.6762	481.4022	4.3882	481.6148	4.0147	481.8275	3.3811
481.1990	3.7800	481.4073	4.3030	481.6199	3.6379	481.8325	3.5797
481.2040	3.8408	481.4124	4.1647	481.6250	3.5821	481.8376	3.5241
481.2091	3.7600	481.4174	3.8995	481.6300	3.8372	481.8426	3.6048
481.2141	3.9753	481.4225	4.0739	481.6351	3.7082	481.8477	3.6567
481.2192	3.7557	481.4276	4.0038	481.6401	3.7701	481.8528	3.4087
481.2243	3.7592	481.4326	4.0301	481.6452	3.7089	481.8578	3.5573
481.2293	3.5718	481.4377	3.9491	481.6503	3.7255	481.8629	3.4863
481.2344	3.6697	481.4427	3.9661	481.6553	3.7281	481.8680	3.5102
481.2394	3.4596	481.4478	4.2947	481.6604	3.4377	481.8730	3.4844
481.2445	3.6280	481.4529	4.0262	481.6655	3.5550	481.8781	3.4560



Table 4. High Resolution Absorption Cross Section from 470-490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
481.8831	3.3361	482.0957	3.0727	482.3083	2.9180	482.5209	3.1634
481.8882	3.4637	482.1008	3.2383	482.3134	3.0340	482.5260	3.1316
481.8932	3.3878	482.1059	3.0088	482.3185	2.9730	482.5311	3.0514
481.8983	3.2827	482.1109	3.0500	482.3235	2.9942	482.5361	3.0168
481.9034	3.3031	482.1160	3.2232	482.3286	2.9509	482.5412	3.0793
481.9084	3.4766	482.1210	3.2035	482.3336	2.7850	482.5463	3.0815
481.9135	3.4403	482.1261	3.1118	482.3387	2.8662	482.5513	3.0934
481.9186	3.2427	482.1312	3.1053	482.3438	2.8522	482.5564	3.1436
481.9236	3.5662	482.1362	2.9292	482.3488	2.9666	482.5614	3.0533
481.9287	3.5792	482.1413	3.1941	482.3539	3.0348	482.5665	2.9474
481.9337	3.5829	482.1464	3.2912	482.3589	2.9566	482.5716	2.9128
481.9388	3.4958	482.1514	3.1950	482.3640	3.0532	482.5766	2.8596
481.9439	3.5965	482.1565	3.1681	482.3691	2.9148	482.5817	2.9950
481.9489	3.4378	482.1615	3.3201	482.3741	2.9735	482.5868	2.9803
481.9540	3.6433	482.1666	3.3254	482.3792	2.9170	482.5918	3.0163
481.9590	3.4968	482.1717	3.3258	482.3843	2.8911	482.5969	3.0058
481.9641	3.7043	482.1767	3.3497	482.3893	2.9811	482.6019	3.0954
481.9692	3.7388	482.1818	3.3221	482.3944	2.8910	482.6070	2.9176
481.9742	3.6216	482.1869	3.4034	482.3994	2.8371	482.6121	2.9996
481.9793	3.4962	482.1919	3.3220	482.4045	2.9258	482.6171	2.9707
481.9844	3.3727	482.1970	3.1173	482.4096	2.8456	482.6222	2.9231
481.9894	3.4485	482.2020	3.0919	482.4146	2.8795	482.6273	2.9910
481.9945	3.2890	482.2071	3.0098	482.4197	2.8971	482.6323	2.9614
481.9995	3.2760	482.2122	3.0508	482.4248	2.9456	482.6374	3.0544
482.0046	3.1002	482.2172	3.0738	482.4298	2.9097	482.6424	2.9517
482.0097	3.3341	482.2223	3.1805	482.4349	2.8136	482.6475	2.8596
482.0147	3.2132	482.2274	3.0646	482.4399	2.7227	482.6526	2.8377
482.0198	3.2249	482.2324	3.0616	482.4450	2.8196	482.6576	3.0317
482.0249	3.5759	482.2375	3.0118	482.4501	2.7457	482.6627	2.8650
482.0299	3.2307	482.2425	3.2306	482.4551	2.9016	482.6678	2.8676
482.0350	3.2968	482.2476	3.0727	482.4602	2.9171	482.6728	2.8532
482.0400	3.1896	482.2527	3.0570	482.4653	2.9664	482.6779	2.8745
482.0451	3.2341	482.2577	3.0601	482.4703	2.9486	482.6829	2.9716
482.0502	3.1853	482.2628	3.0989	482.4754	2.9348	482.6880	2.9926
482.0552	3.2619	482.2679	3.1696	482.4804	2.9840	482.6931	2.8089
482.0603	3.1868	482.2729	3.1823	482.4855	3.0714	482.6981	2.7200
482.0654	3.1309	482.2780	3.2884	482.4906	3.0363	482.7032	2.7098
482.0704	3.1711	482.2830	3.2736	482.4956	3.0422	482.7083	2.9259
482.0755	3.1005	482.2881	3.1910	482.5007	3.2365	482.7133	2.7739
482.0805	3.1558	482.2932	3.0245	482.5058	3.0861	482.7184	2.8930
482.0856	3.1975	482.2982	3.0625	482.5108	3.0848	482.7234	2.8099
482.0907	3.2854	482.3033	3.0484	482.5159	3.1852	482.7285	2.9447



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
482.7336	3.0251	482.9462	2.6751	483.1588	2.3203	483.3714	2.6004
482.7386	3.0277	482.9512	2.7182	483.1638	2.4243	483.3764	2.6030
482.7437	2.9828	482.9563	2.6776	483.1689	2.4149	483.3815	2.5196
482.7487	3.0275	482.9613	2.7157	483.1740	2.3818	483.3866	2.5576
482.7538	3.1580	482.9664	2.5824	483.1790	2.4513	483.3916	2.6560
482.7589	2.9803	482.9715	2.5964	483.1841	2.3457	483.3967	2.5878
482.7639	3.0921	482.9765	2.7820	483.1891	2.3799	483.4017	2.6160
482.7690	3.1347	482.9816	2.7827	483.1942	2.4090	483.4068	2.4789
482.7740	3.0076	482.9867	2.7919	483.1992	2.3793	483.4119	2.5312
482.7791	2.8501	482.9917	2.7989	483.2043	2.3987	483.4169	2.5764
482.7842	2.9607	482.9968	2.8403	483.2094	2.3479	483.4220	2.5615
482.7892	2.8025	483.0018	2.7281	483.2144	2.4898	483.4271	2.5261
482.7943	2.8558	483.0069	2.7104	483.2195	2.4461	483.4321	2.5816
482.7993	2.7946	483.0120	2.7450	483.2246	2.5808	483.4372	2.5643
482.8044	2.9143	483.0170	2.5815	483.2296	2.4224	483.4422	2.6247
482.8095	2.9134	483.0221	2.5534	483.2347	2.4132	483.4473	2.5619
482.8145	2.8437	483.0272	2.4951	483.2397	2.3793	483.4524	2.5543
482.8196	2.8605	483.0322	2.4898	483.2448	2.4485	483.4574	2.5269
482.8247	2.7845	483.0373	2.5661	483.2499	2.5334	483.4625	2.5334
482.8297	2.8165	483.0423	2.5085	483.2549	2.5078	483.4676	2.5297
482.8348	2.7320	483.0474	2.6747	483.2600	2.5587	483.4726	2.5081
482.8398	2.6110	483.0525	2.6823	483.2651	2.5824	483.4777	2.5240
482.8449	2.7682	483.0575	2.6581	483.2701	2.5116	483.4827	2.5820
482.8500	2.9271	483.0626	2.7150	483.2752	2.5889	483.4878	2.4598
482.8550	2.8595	483.0677	2.7434	483.2802	2.7188	483.4929	2.5064
482.8601	2.7993	483.0727	2.6257	483.2853	2.7514	483.4979	2.5691
482.8652	2.6369	483.0778	2.6937	483.2904	2.8319	483.5030	2.5797
482.8702	2.6581	483.0828	2.5500	483.2954	2.7642	483.5081	2.6310
482.8753	2.6713	483.0879	2.5696	483.3005	2.7908	483.5131	2.5840
482.8803	2.9090	483.0930	2.5313	483.3056	2.8260	483.5182	2.7367
482.8854	2.7053	483.0980	2.5830	483.3106	2.8328	483.5232	2.6236
482.8905	2.9281	483.1031	2.5387	483.3157	2.6093	483.5283	2.6048
482.8955	2.8121	483.1082	2.4519	483.3207	2.6108	483.5334	2.4600
482.9006	2.8297	483.1132	2.5042	483.3258	2.5787	483.5384	2.3299
482.9057	2.7786	483.1183	2.4324	483.3309	2.5809	483.5435	2.3362
482.9107	2.7544	483.1233	2.3307	483.3359	2.6089	483.5486	2.3236
482.9158	2.7448	483.1284	2.4769	483.3410	2.5319	483.5536	2.3170
482.9208	2.8274	483.1335	2.4597	483.3461	2.6090	483.5587	2.3324
482.9259	2.7376	483.1385	2.4230	483.3511	2.5300	483.5637	2.4039
482.9310	2.6469	483.1436	2.4195	483.3562	2.6960	483.5688	2.4350
482.9360	2.6576	483.1487	2.3380	483.3612	2.5294	483.5739	2.3030
482.9411	2.7217	483.1537	2.4269	483.3663	2.6935	483.5789	2.4252



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
483.5840	2.3760	483.7966	2.4341	484.0092	2.6465	484.2218	2.5588
483.5891	2.4844	483.8016	2.4798	484.0143	2.5721	484.2269	2.5221
483.5941	2.5619	483.8067	2.3170	484.0193	2.4995	484.2319	2.5651
483.5992	2.5556	483.8118	2.4382	484.0244	2.5183	484.2370	2.5059
483.6042	2.4445	483.8168	2.6377	484.0294	2.5135	484.2420	2.5070
483.6093	2.4414	483.8219	2.5471	484.0345	2.5099	484.2471	2.6086
483.6143	2.4009	483.8270	2.5050	484.0396	2.4940	484.2522	2.5087
483.6194	2.3350	483.8320	2.5244	484.0446	2.4488	484.2572	2.5345
483.6245	2.3807	483.8371	2.5000	484.0497	2.6158	484.2623	2.4150
483.6295	2.5134	483.8421	2.4074	484.0547	2.4964	484.2674	2.5527
483.6346	2.4781	483.8472	2.4199	484.0598	2.6463	484.2724	2.4961
483.6396	2.4629	483.8523	2.5598	484.0649	2.5964	484.2775	2.5010
483.6447	2.5314	483.8573	2.5640	484.0699	2.7559	484.2825	2.5151
483.6498	2.5870	483.8624	2.6037	484.0750	2.6199	484.2876	2.3581
483.6548	2.3290	483.8675	2.5900	484.0800	2.6384	484.2927	2.4437
483.6599	2.3614	483.8725	2.4573	484.0851	2.7789	484.2977	2.5753
483.6650	2.3990	483.8776	2.4199	484.0902	2.5695	484.3028	2.4921
483.6700	2.2319	483.8826	2.4785	484.0952	2.5668	484.3079	2.5803
483.6751	2.3216	483.8877	2.3585	484.1003	2.6192	484.3129	2.6840
483.6801	2.3372	483.8928	2.5400	484.1054	2.7367	484.3180	2.6108
483.6852	2.4317	483.8978	2.5547	484.1104	2.7692	484.3230	2.6462
483.6903	2.3950	483.9029	2.4116	484.1155	2.7255	484.3281	2.6187
483.6953	2.5041	483.9080	2.5254	484.1205	2.7280	484.3332	2.6628
483.7004	2.4053	483.9130	2.4192	484.1256	2.7573	484.3382	2.6553
483.7055	2.3833	483.9181	2.5056	484.1307	2.5880	484.3433	2.8204
483.7105	2.4012	483.9231	2.3891	484.1357	2.6216	484.3484	2.8067
483.7156	2.2881	483.9282	2.5824	484.1408	2.4608	484.3534	2.6942
483.7206	2.2749	483.9333	2.4950	484.1459	2.6399	484.3585	2.8816
483.7257	2.2705	483.9383	2.3759	484.1509	2.6799	484.3635	2.6969
483.7308	2.2779	483.9434	2.2215	484.1560	2.7019	484.3686	2.6947
483.7358	2.4377	483.9485	2.2773	484.1610	2.6473	484.3737	2.6494
483.7409	2.4051	483.9535	2.2862	484.1661	2.5783	484.3787	2.7104
483.7460	2.4814	483.9586	2.2864	484.1712	2.6708	484.3838	2.7754
483.7510	2.5329	483.9636	2.4523	484.1762	2.5720	484.3889	2.7451
483.7561	2.6319	483.9687	2.4580	484.1813	2.6314	484.3939	2.7587
483.7611	2.6148	483.9738	2.4366	484.1864	2.7500	484.3990	2.6186
483.7662	2.5969	483.9788	2.5946	484.1914	2.7500	484.4040	2.6666
483.7713	2.5893	483.9839	2.5238	484.1965	2.7493	484.4091	2.5485
483.7763	2.5204	483.9890	2.4955	484.2015	2.6365	484.4142	2.5362
483.7814	2.5111	483.9940	2.4555	484.2066	2.5718	484.4192	2.6094
483.7865	2.5427	483.9991	2.5192	484.2117	2.6217	484.4243	2.6742
483.7915	2.4833	484.0041	2.5008	484.2167	2.5790	484.4294	2.5657



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
484.4344	2.5342	484.6470	2.7341	484.8596	3.0562	485.0722	2.7142
484.4395	2.6452	484.6521	2.8025	484.8647	2.9213	485.0773	2.7431
484.4445	2.4898	484.6571	2.7123	484.8698	2.9110	485.0823	2.8296
484.4496	2.5794	484.6622	2.7056	484.8748	3.0620	485.0874	2.6434
484.4547	2.6779	484.6673	2.7614	484.8799	2.8901	485.0925	2.7745
484.4597	2.6152	484.6723	2.7755	484.8849	2.8738	485.0975	2.6836
484.4648	2.7182	484.6774	2.8292	484.8900	2.7165	485.1026	2.6854
484.4698	2.7193	484.6824	2.7367	484.8951	2.9291	485.1077	2.5896
484.4749	2.6917	484.6875	2.7108	484.9001	2.8382	485.1127	2.7265
484.4799	2.8861	484.6926	2.7030	484.9052	2.8690	485.1178	2.6484
484.4850	2.7339	484.6976	2.5987	484.9102	3.0213	485.1228	2.6239
484.4901	2.8705	484.7027	2.7329	484.9153	2.9028	485.1279	2.6494
484.4951	2.8484	484.7078	2.5709	484.9203	3.1139	485.1330	2.4704
484.5002	3.0289	484.7128	2.4769	484.9254	2.7207	485.1380	2.5874
484.5053	2.8087	484.7179	2.6648	484.9305	2.7948	485.1431	2.8457
484.5103	2.9276	484.7229	2.6351	484.9355	2.7096	485.1482	2.8986
484.5154	2.8793	484.7280	2.6198	484.9406	2.8537	485.1532	2.9955
484.5204	2.8057	484.7331	2.6819	484.9457	2.8842	485.1583	2.9447
484.5255	2.9317	484.7381	2.6890	484.9507	2.9810	485.1633	3.1485
484.5306	2.8472	484.7432	2.7550	484.9558	3.1893	485.1684	3.1025
484.5356	2.7963	484.7483	2.7473	484.9608	2.9561	485.1735	3.1240
484.5407	2.8429	484.7533	2.7072	484.9659	2.8461	485.1785	3.0557
484.5458	2.8043	484.7584	2.6796	484.9710	2.8782	485.1836	3.0874
484.5508	2.8850	484.7634	2.7020	484.9760	2.7426	485.1887	2.9444
484.5559	2.8156	484.7685	.74	484.9811	2.8191	485.1937	2.9927
484.5609	2.7299	484.7736	2.7941	484.9862	2.9712	485.1988	3.1329
484.5660	2.7819	484.7786	2.7875	484.9912	3.0391	485.2038	3.1365
484.5711	2.7372	484.7837	2.8815	484.9963	2.9055	485.2089	3.0544
484.5761	2.7306	484.7888	2.7455	485.0013	2.8033	485.2140	2.8506
484.5812	2.8123	484.7938	2.6838	485.0064	2.8123	485.2190	2.7766
484.5863	2.7826	484.7989	2.6759	485.0115	2.8230	485.2241	2.8406
484.5913	2.8818	484.8039	2.4876	485.0165	2.8588	485.2291	2.5804
484.5964	2.8192	484.8090	2.5796	485.0216	2.8513	485.2342	2.6268
484.6014	2.9027	484.8141	2.5837	485.0267	2.7363	485.2393	2.8085
484.6065	2.7601	484.8191	2.5811	485.0317	2.7551	485.2443	2.7466
484.6116	2.9442	484.8242	2.5731	485.0368	2.7734	485.2494	2.6996
484.6166	2.8693	484.8293	2.6885	485.0418	2.5784	485.2545	2.9674
484.6217	2.9901	484.8343	2.6012	485.0469	2.6573	485.2595	2.8115
484.6268	3.0433	484.8394	2.6807	485.0520	2.5604	485.2646	2.7720
484.6318	2.8535	484.8444	2.6920	485.0570	2.7603	485.2696	2.7921
484.6369	2.8621	484.8495	2.8154	485.0621	2.8125	485.2747	2.8912
484.6419	2.8898	484.8546	2.9042	485.0672	2.7220	485.2798	2.7846



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
485.2848	2.7104	485.4974	2.6591	485.7100	2.8156	485.9236	3.0067
485.2899	2.6838	485.5025	2.6781	485.7151	2.8645	485.9286	2.9604
485.2950	2.8741	485.5076	2.6367	485.7202	2.7192	485.9337	2.8048
485.3000	2.9094	485.5126	2.6739	485.7252	2.9562	485.9388	2.6526
485.3051	2.8112	485.5177	2.6777	485.7303	2.9377	485.9439	2.6180
485.3101	2.9542	485.5227	2.6734	485.7354	3.0814	485.9490	2.6630
485.3152	2.8119	485.5278	2.6585	485.7404	3.0541	485.9540	2.6846
485.3203	2.8863	485.5329	2.7520	485.7455	2.8455	485.9591	2.6942
485.3253	2.7395	485.5379	2.7113	485.7505	3.0265	485.9642	2.8028
485.3304	2.7024	485.5430	2.7599	485.7556	2.6980	485.9693	2.8779
485.3354	2.7989	485.5480	2.7353	485.7607	2.7657	485.9744	2.8781
485.3405	2.8210	485.5531	2.8726	485.7657	2.5482	485.9795	2.9154
485.3456	2.7996	485.5582	2.6412	485.7708	2.5247	485.9846	2.8609
485.3506	2.6927	485.5632	2.7513	485.7758	2.5658	485.9897	2.7531
485.3557	2.6642	485.5683	2.6110	485.7809	2.6532	485.9948	2.7523
485.3607	2.8161	485.5734	2.6627	485.7860	2.7106	485.9998	2.7091
485.3658	2.9630	485.5784	2.6541	485.7910	2.6820	486.0049	2.7997
485.3709	2.8945	485.5835	2.6912	485.7961	2.7902	486.0100	2.6840
485.3759	2.7747	485.5885	2.6087	485.8011	2.6675	486.0151	2.8115
485.3810	2.9218	485.5936	2.5921	485.8062	2.7674	486.0202	2.8379
485.3861	2.6711	485.5987	2.5108	485.8113	2.8409	486.0252	2.9069
485.3911	2.7223	485.6037	2.5322	485.8163	2.9053	486.0303	3.0045
485.3962	2.6842	485.6088	2.4974	485.8218	2.9146	486.0354	2.9175
485.4012	2.7238	485.6139	2.5666	485.8269	2.9664	486.0405	3.0502
485.4063	2.7295	485.6189	2.5668	485.8320	2.9344	486.0456	3.1739
485.4114	2.7178	485.6240	2.5405	485.8371	2.9791	486.0507	3.2009
485.4164	2.7956	485.6290	2.5133	485.8422	2.9378	486.0558	3.1961
485.4215	2.8959	485.6341	2.6407	485.8473	2.9499	486.0609	3.1518
485.4266	2.8915	485.6392	2.5855	485.8524	2.7966	486.0659	3.0584
485.4316	2.7962	485.6442	2.6814	485.8574	3.0028	486.0710	3.0045
485.4367	2.7198	485.6493	2.9360	485.8625	2.7529	486.0761	3.0252
485.4417	2.8230	485.6544	2.7952	485.8676	2.8203	486.0812	2.9367
485.4468	2.6996	485.6594	2.9758	485.8727	2.7063	486.0863	3.1447
485.4519	2.7238	485.6645	3.3378	485.8778	2.9579	486.0914	2.8729
485.4569	2.5492	485.6695	2.9318	485.8828	2.9201	486.0964	2.7148
485.4620	2.5288	485.6746	2.7714	485.8879	2.9437	486.1015	2.7688
485.4671	2.5020	485.6797	2.9865	485.8930	2.7325	486.1066	2.7432
485.4721	2.5934	485.6847	2.8705	485.8981	2.8995	486.1117	2.7849
485.4772	2.6081	485.6898	2.7492	485.9032	2.9142	486.1168	2.8233
485.4822	2.7834	485.6949	2.9773	485.9083	3.0849	486.1219	2.8232
485.4873	2.6665	485.6999	2.8481	485.9134	2.9986	486.1270	2.8559
485.4924	2.6249	485.7050	2.8632	485.9185	3.1142	486.1320	2.9680



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
486.1371	2.9553	486.3507	2.9473	486.5643	2.4463	486.7779	2.6556
486.1422	3.0533	486.3558	3.0660	486.5694	2.4554	486.7830	2.7216
486.1473	2.9629	486.3609	2.8507	486.5745	2.4915	486.7881	2.5792
486.1524	2.9447	486.3660	2.7831	486.5796	2.5016	486.7932	2.5955
486.1575	2.8596	486.3711	2.7202	486.5847	2.6974	486.7982	2.6668
486.1626	3.0372	486.3761	2.9076	486.5897	2.6089	486.8033	2.6742
486.1676	3.0083	486.3812	2.7384	486.5948	2.5055	486.8084	2.6041
486.1727	2.9994	486.3863	2.6935	486.5999	2.4584	486.8135	2.6075
486.1778	3.0982	486.3914	2.6377	486.6050	2.4764	486.8186	2.5437
486.1829	3.0242	486.3965	2.5724	486.6101	2.5167	486.8237	2.5160
486.1880	2.8249	486.4016	2.7807	486.6151	2.5173	486.8287	2.5408
486.1931	2.9198	486.4066	2.7161	486.6202	2.5318	486.8338	2.5105
486.1982	2.8959	486.4117	2.8385	486.6253	2.5370	486.8389	2.5676
486.2032	2.9847	486.4168	2.7100	486.6304	2.4511	486.8440	2.5398
486.2083	2.8737	486.4219	2.6243	486.6355	2.4140	486.8491	2.5261
486.2134	2.9314	486.4270	2.7035	486.6406	2.4362	486.8542	2.5852
486.2185	3.0781	486.4321	2.7511	486.6457	2.4236	486.8593	2.5445
486.2236	3.0889	486.4372	2.7796	486.6508	2.3903	486.8643	2.7041
486.2287	3.1405	486.4423	2.7853	486.6559	2.3375	486.8694	2.5796
486.2338	3.1395	486.4473	2.8414	486.6609	2.6474	486.8745	2.5885
486.2388	3.0389	486.4524	2.8688	486.6660	2.3921	486.8796	2.6087
486.2439	3.0512	486.4575	2.7730	486.6711	2.4655	486.8847	2.5729
486.2490	2.9134	486.4626	2.9179	486.6762	2.4751	486.8898	2.5641
486.2541	2.8703	486.4677	2.7885	486.6813	2.5480	486.8949	2.6387
486.2592	2.8194	486.4728	2.7109	486.6863	2.6178	486.8999	2.4895
486.2643	2.9857	486.4778	2.7299	486.6914	2.6766	486.9050	2.6328
486.2693	2.8358	486.4829	2.6096	486.6965	2.6894	486.9101	2.5801
486.2744	3.0718	486.4880	2.5398	486.7016	2.7825	486.9152	2.5243
486.2795	3.0993	486.4931	2.6268	486.7067	2.7940	486.9203	2.5882
486.2846	3.2767	486.4982	2.5001	486.7118	2.8634	486.9254	2.5754
486.2897	3.2561	486.5033	2.5787	486.7169	2.6870	486.9305	2.6118
486.2948	3.1900	486.5084	2.4370	486.7220	2.7536	486.9355	2.8078
486.2999	3.0848	486.5135	2.5119	486.7270	2.5528	486.9406	2.7876
486.3049	3.0696	486.5185	2.5304	486.7321	2.6744	486.9457	2.7830
486.3100	2.8662	486.5236	2.6710	486.7372	2.6098	486.9508	2.8306
486.3151	3.0280	486.5287	2.4662	486.7423	2.6537	486.9559	2.7124
486.3202	2.9192	486.5338	2.5757	486.7474	2.5828	486.9610	2.6497
486.3253	2.8516	486.5389	2.4542	486.7525	2.5403	486.9660	2.6627
486.3304	2.9311	486.5439	2.4619	486.7575	2.5283	486.9711	2.6649
486.3354	2.8120	486.5490	2.5013	486.7626	2.5453	486.9762	2.6406
486.3405	2.8947	486.5541	2.4207	486.7677	2.4628	486.9813	2.6965
486.3456	2.8155	486.5592	2.4409	486.7728	2.5875	486.9864	2.7092



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
486.9915	2.7450	487.2051	2.3637	487.4186	2.5830	487.6322	2.8418
486.9966	2.7662	487.2101	2.3711	487.4237	2.4546	487.6373	2.6387
487.0016	2.7326	487.2152	2.3978	487.4288	2.4818	487.6424	2.6409
487.0067	2.7062	487.2203	2.3418	487.4339	2.5333	487.6475	2.7816
487.0118	2.6173	487.2254	2.4154	487.4390	2.3564	487.6526	2.6757
487.0169	2.7548	487.2305	2.3594	487.4441	2.5140	487.6577	2.8009
487.0220	2.7616	487.2356	2.4518	487.4492	2.5107	487.6628	2.8033
487.0271	2.7596	487.2407	2.4556	487.4543	2.4157	487.6678	2.7406
487.0322	2.8035	487.2458	2.4282	487.4593	2.5835	487.6729	2.7850
487.0372	2.7114	487.2508	2.4625	487.4644	2.5515	487.6780	2.8956
487.0423	2.7694	487.2559	2.5392	487.4695	2.5221	487.6831	2.5934
487.0474	2.7600	487.2610	2.5291	487.4746	2.7769	487.6882	2.6794
487.0525	2.6677	487.2661	2.4214	487.4797	2.5725	487.6933	2.5476
487.0576	2.6293	487.2712	2.3970	487.4848	2.5267	487.6983	2.5606
487.0627	2.6352	487.2762	2.3807	487.4898	2.4314	487.7034	2.5371
487.0677	2.7311	487.2813	2.4441	487.4949	2.4151	487.7085	2.7124
487.0728	2.7400	487.2864	2.4748	487.5000	2.5003	487.7136	2.6255
487.0779	2.6493	487.2915	2.4013	487.5051	2.4099	487.7187	2.6833
487.0830	2.6007	487.2966	2.3354	487.5102	2.3773	487.7238	2.4465
487.0881	2.6635	487.3017	2.4075	487.5153	2.5148	487.7289	2.4577
487.0932	2.5766	487.3068	2.3298	487.5204	2.5589	487.7339	2.4100
487.0983	2.4463	487.3119	2.3884	487.5255	2.5053	487.7390	2.6760
487.1034	2.5372	487.3170	2.4007	487.5305	2.5477	487.7441	2.5860
487.1084	2.5534	487.3220	2.3540	487.5356	2.5840	487.7492	2.7776
487.1135	2.5573	487.3271	2.4861	487.5407	2.7180	487.7543	2.7345
487.1186	2.5755	487.3322	2.5510	487.5458	2.6245	487.7594	2.8108
487.1237	2.5978	487.3373	2.5202	487.5509	2.5671	487.7645	2.9122
487.1288	2.5599	487.3424	2.4705	487.5560	2.5640	487.7695	2.8419
487.1339	2.5140	487.3474	2.4434	487.5610	2.5144	487.7746	2.8682
487.1389	2.5119	487.3525	2.5532	487.5661	2.4529	487.7797	2.8613
487.1440	2.3789	487.3576	2.6865	487.5712	2.5140	487.7848	2.8020
487.1491	2.4118	487.3627	2.6202	487.5763	2.4520	487.7899	2.7132
487.1542	2.3626	487.3678	2.6455	487.5814	2.4139	487.7950	2.9064
487.1593	2.2984	487.3729	2.6585	487.5865	2.4564	487.8000	2.8369
487.1644	2.3229	487.3780	2.6107	487.5916	2.5837	487.8051	2.9212
487.1695	2.3826	487.3831	2.4512	487.5966	2.5448	487.8102	2.7970
487.1746	2.3958	487.3882	2.3613	487.6017	2.6139	487.8153	2.7545
487.1796	2.4652	487.3932	2.5233	487.6068	2.7786	487.8204	2.8502
487.1847	2.5039	487.3983	2.4835	487.6119	2.8080	487.8255	2.7089
487.1898	2.5413	487.4034	2.5925	487.6170	2.9451	487.8306	2.7532
487.1949	2.4419	487.4085	2.5157	487.6221	2.8851	487.8357	2.7065
487.2000	2.5073	487.4136	2.4096	487.6272	2.7347	487.8407	2.7544



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
487.8458	3.0022	488.0594	3.1228	488.2730	2.8099	488.4866	4.0077
487.8509	2.7356	488.0645	2.9883	488.2781	2.9681	488.4917	3.8407
487.8560	2.8771	488.0696	2.9778	488.2832	3.1458	488.4968	3.7670
487.8611	2.8774	488.0747	3.0361	488.2883	3.1061	488.5018	3.5911
487.8662	2.8718	488.0797	3.2711	488.2933	3.0689	488.5069	3.7691
487.8712	3.0011	488.0848	3.1197	488.2984	3.0387	488.5120	3.8825
487.8763	2.9279	488.0899	3.1613	488.3035	3.3423	488.5171	4.0522
487.8814	2.9842	488.0950	3.2398	488.3086	3.3351	488.5222	3.7384
487.8865	2.7140	488.1001	3.2077	488.3137	3.1578	488.5273	4.3340
487.8916	2.7923	488.1052	2.8655	488.3188	3.4902	488.5323	3.9957
487.8967	2.8399	488.1103	2.9405	488.3239	3.4113	488.5374	4.4801
487.9018	2.8350	488.1154	3.2208	488.3289	3.4354	488.5425	4.1855
487.9069	2.8600	488.1204	3.0456	488.3340	3.4970	488.5476	4.2912
487.9119	2.7590	488.1255	3.0524	488.3391	3.4087	488.5527	4.2829
487.9170	2.8318	488.1306	3.2254	488.3442	3.3843	488.5578	3.9258
487.9221	2.9182	488.1357	2.9601	488.3493	3.2770	488.5629	4.4431
487.9272	2.8072	488.1408	2.8925	488.3544	3.1826	488.5680	3.9966
487.9323	3.0985	488.1459	2.9784	488.3594	3.3283	488.5730	3.8529
487.9373	2.8110	488.1509	2.8375	488.3645	3.4353	488.5781	3.7874
487.9424	2.7945	488.1560	3.0105	488.3696	3.4233	488.5832	3.7497
487.9475	2.7186	488.1611	3.0999	488.3747	3.8319	488.5883	3.9075
487.9526	2.6846	488.1662	3.2546	488.3798	3.9088	488.5934	3.6771
487.9577	2.7902	488.1713	3.2618	488.3849	3.8579	488.5985	3.8469
487.9628	2.9224	488.1764	3.1085	488.3900	3.9736	488.6035	4.0405
487.9679	2.8549	488.1815	2.9872	488.3951	4.0414	488.6086	4.0160
487.9730	3.0366	488.1866	3.0181	488.4001	4.0641	488.6137	4.0499
487.9781	3.0756	488.1916	3.0427	488.4052	3.9211	488.6188	3.7276
487.9831	3.0353	488.1967	2.9326	488.4103	4.2078	488.6239	3.8027
487.9882	3.0832	488.2018	3.1129	488.4154	4.1346	488.6290	3.6939
487.9933	2.8898	488.2069	3.1672	488.4205	3.9778	488.6341	3.9386
487.9984	2.8686	488.2120	3.2417	488.4256	4.2622	488.6392	3.7972
488.0035	2.8849	488.2171	3.3896	488.4306	4.0375	488.6442	4.2076
488.0085	2.7650	488.2221	3.3671	488.4357	4.1155	488.6493	4.2584
488.0136	2.7763	488.2272	3.3921	488.4408	4.2962	488.6544	4.0180
488.0187	2.8458	488.2323	3.6363	488.4459	3.9046	488.6595	4.3659
488.0238	2.8686	488.2374	3.3081	488.4510	3.9217	488.6646	4.2708
488.0289	2.9722	488.2425	3.3046	488.4561	4.2391	488.6696	4.1138
488.0340	3.0382	488.2476	3.0608	488.4612	3.9610	488.6747	4.3439
488.0391	2.8558	488.2527	2.9050	488.4662	3.9787	488.6798	4.3638
488.0442	2.7165	488.2578	2.9746	488.4713	4.0096	488.6849	4.3457
488.0493	2.9036	488.2628	2.8432	488.4764	4.0818	488.6900	4.3556
488.0543	2.8289	488.2679	2.9582	488.4815	3.9636	488.6951	4.3099



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
488.7002	4.3952	488.9138	5.3089	489.1273	4.1302	489.3409	3.8130
488.7053	4.3803	488.9189	5.1573	489.1324	4.1356	489.3460	3.6117
488.7104	4.5121	488.9239	5.2101	489.1375	4.1062	489.3511	4.0478
488.7154	4.4648	488.9290	4.9041	489.1426	3.9341	489.3562	3.7511
488.7205	4.2169	488.9341	4.7794	489.1477	3.8228	489.3613	3.9272
488.7256	4.2909	488.9392	4.5567	489.1528	3.7189	489.3664	3.8070
488.7307	4.2579	488.9443	4.6651	489.1579	3.7357	489.3715	4.0114
488.7358	4.4867	488.9494	4.8897	489.1629	3.5905	489.3765	4.0973
488.7408	4.2745	488.9544	4.5614	489.1680	3.9472	489.3816	4.0455
488.7459	4.6477	488.9595	4.5503	489.1731	3.9913	489.3867	4.1977
488.7510	4.7974	488.9646	4.9184	489.1782	4.0971	489.3918	4.1267
488.7561	4.6593	488.9697	4.7384	489.1833	4.0249	489.3969	4.3086
488.7612	4.5970	488.9748	5.0071	489.1884	4.3112	489.4019	4.1620
488.7663	4.5102	488.9799	4.8456	489.1935	3.8818	489.4070	4.2033
488.7714	4.1274	488.9850	5.0402	489.1985	3.9154	489.4121	3.8558
488.7765	4.1217	488.9901	4.3910	489.2036	3.8083	489.4172	4.0572
488.7816	4.1158	488.9951	4.7458	489.2087	3.6777	489.4223	3.9100
488.7866	4.1899	489.0002	5.0435	489.2138	3.8112	489.4274	3.7227
488.7917	4.2735	489.0053	4.3868	489.2189	3.9198	489.4325	3.8790
488.7968	3.9562	489.0104	4.8202	489.2240	3.8597	489.4376	4.0148
488.8019	4.4612	489.0155	4.4030	489.2291	3.8002	489.4427	3.9562
488.8070	4.3482	489.0206	4.5515	489.2341	3.7174	489.4477	3.8277
488.8120	4.3175	489.0256	4.5995	489.2392	3.7069	489.4528	3.8978
488.8171	4.2639	489.0307	4.9822	489.2443	3.7656	489.4579	3.6179
488.8222	4.4837	489.0358	4.6819	489.2494	3.6620	489.4630	3.5402
488.8273	4.4432	489.0409	4.5823	489.2545	3.6215	489.4681	3.6445
488.8324	4.3587	489.0460	4.6690	489.2596	3.7360	489.4731	3.6940
488.8375	4.6037	489.0511	4.5774	489.2646	3.7581	489.4782	3.6564
488.8426	4.4749	489.0562	4.2955	489.2697	3.8087	489.4833	3.5991
488.8477	4.7052	489.0612	3.9888	489.2748	3.7994	489.4884	3.6825
488.8527	4.7707	489.0663	4.1923	489.2799	3.5720	489.4935	3.6784
488.8578	4.6837	489.0714	4.0048	489.2850	3.6276	489.4986	3.5659
488.8629	4.6075	489.0765	3.8305	489.2901	3.5743	489.5037	3.8701
488.8680	4.3425	489.0816	3.8739	489.2952	3.7526	489.5088	3.8743
488.8731	4.3641	489.0867	3.8253	489.3003	3.7153	489.5138	3.8893
488.8782	4.4710	489.0917	3.9469	489.3053	3.9061	489.5189	4.2500
488.8832	5.1396	489.0968	4.1866	489.3104	3.8725	489.5240	4.0697
488.8883	5.1395	489.1019	4.2547	489.3155	3.7999	489.5291	4.2098
488.8934	5.0801	489.1070	4.1547	489.3206	3.6391	489.5342	4.1474
488.8985	5.0842	489.1121	4.3397	489.3257	3.7317	489.5393	4.1052
488.9036	4.8910	489.1172	4.1646	489.3307	3.7758	489.5443	4.1298
488.9087	5.1397	489.1223	4.2184	489.3358	3.8883	489.5494	4.1098



Table 4. High Resolution Absorption Cross Section from 470–490 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
489.5545	4.3707	489.7122	3.4904	489.8647	3.3019	490.0173	3.1675
489.5596	4.2328	489.7173	3.3998	489.8698	3.3429	490.0224	3.3695
489.5647	4.0404	489.7224	3.3339	489.8749	3.3435	490.0275	3.0468
489.5698	4.0670	489.7274	3.4246	489.8800	3.2451	490.0326	3.2526
489.5749	3.8348	489.7325	3.2857	489.8851	3.1937	490.0376	3.0977
489.5800	3.8082	489.7376	3.2428	489.8902	3.3961	490.0427	3.1885
489.5850	3.6462	489.7427	3.3894	489.8952	3.2206	490.0478	3.0362
489.5901	3.5545	489.7478	3.3359	489.9003	3.4264	490.0529	3.1123
489.5952	3.4557	489.7528	3.4400	489.9054	3.3145	490.0580	3.0519
489.6003	3.5403	489.7579	3.3880	489.9105	3.3402	490.0630	3.0894
489.6054	3.7049	489.7630	3.4762	489.9156	3.2908	490.0681	3.1684
489.6105	3.5364	489.7681	3.4370	489.9207	3.3656	490.0732	3.1769
489.6155	3.6613	489.7732	3.5698	489.9258	3.1940	490.0783	3.0408
489.6206	3.6161	489.7783	3.6514	489.9308	3.2308	490.0834	3.1656
489.6257	3.6304	489.7834	3.6227	489.9359	3.1289	490.0885	3.0832
489.6308	3.5271	489.7885	3.5948	489.9410	3.2468	490.0936	2.9281
489.6359	3.5824	489.7935	3.7351	489.9461	3.2348	490.0987	3.1503
489.6410	3.6034	489.7986	3.3536	489.9512	3.1743	490.1038	3.1037
489.6461	3.4359	489.8037	3.6999	489.9563	3.1849	490.1088	3.0728
489.6512	3.5767	489.8088	3.5156	489.9614	3.1043	490.1139	3.2075
489.6562	3.5754	489.8139	3.5835	489.9664	3.0778	490.1190	3.0649
489.6613	3.5157	489.8190	3.4901	489.9715	3.1334	490.1241	3.0895
489.6664	3.5666	489.8240	3.4211	489.9766	3.2992	490.1292	3.0032
489.6715	3.6017	489.8291	3.3382	489.9817	3.2825	490.1342	2.9749
489.6766	3.4878	489.8342	3.3149	489.9868	3.1141	490.1393	2.9237
489.6817	3.4810	489.8393	3.4815	489.9919	3.3495	490.1444	2.9100
489.6867	3.4730	489.8444	3.3760	489.9969	3.0606	490.1495	2.9499
489.6918	3.4706	489.8495	3.5635	490.0020	3.1670	490.1546	3.0187
489.6969	3.4050	489.8546	3.3146	490.0071	3.2026	490.1597	2.8263
489.7020	3.4378	489.8596	3.6186	490.0122	3.1146	490.1648	2.9467



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
469.9821	3.0989	470.1955	3.2051	470.4089	3.1081	470.6223	3.1776
469.9872	3.0952	470.2006	3.2461	470.4140	3.1695	470.6273	3.1836
469.9923	3.1329	470.2057	3.2262	470.4190	3.1772	470.6324	3.1865
469.9974	3.1668	470.2108	3.2203	470.4241	3.2426	470.6375	3.2058
470.0025	3.0984	470.2159	3.1790	470.4292	3.2538	470.6426	3.2664
470.0076	3.1439	470.2209	3.1111	470.4343	3.2362	470.6476	3.2875
470.0126	3.1260	470.2260	3.0757	470.4394	3.2900	470.6527	3.2100
470.0177	3.1467	470.2311	3.1240	470.4445	3.3800	470.6578	3.2225
470.0228	3.1936	470.2362	3.0686	470.4495	3.3942	470.6629	3.1728
470.0279	3.1659	470.2412	3.0804	470.4546	3.4147	470.6680	3.1730
470.0330	3.1569	470.2463	3.1315	470.4597	3.4044	470.6731	3.0865
470.0381	3.2797	470.2514	3.1179	470.4648	3.4003	470.6781	3.1136
470.0431	3.2371	470.2565	3.1366	470.4698	3.4171	470.6832	3.1262
470.0482	3.2571	470.2616	3.1342	470.4749	3.3644	470.6883	3.1133
470.0533	3.2996	470.2666	3.1031	470.4800	3.3214	470.6934	3.0561
470.0583	3.2825	470.2717	3.1052	470.4851	3.3469	470.6985	3.0261
470.0634	3.2619	470.2768	3.0841	470.4902	3.3633	470.7035	3.0596
470.0685	3.2366	470.2819	3.1010	470.4952	3.3589	470.7086	3.0940
470.0736	3.1989	470.2870	3.0755	470.5003	3.2849	470.7137	3.1156
470.0787	3.1153	470.2921	3.0238	470.5054	3.2676	470.7188	3.1331
470.0838	3.1362	470.2971	3.0835	470.5105	3.3670	470.7238	3.1143
470.0888	3.1816	470.3022	3.0506	470.5156	3.3143	470.7289	3.0708
470.0939	3.1654	470.3073	3.0908	470.5207	3.3667	470.7340	3.0657
470.0990	3.2042	470.3124	3.0250	470.5257	3.3631	470.7391	3.0150
470.1041	3.1669	470.3174	3.0801	470.5308	3.3644	470.7442	3.0020
470.1092	3.1537	470.3225	3.0644	470.5359	3.2968	470.7493	3.0077
470.1143	3.1806	470.3276	3.0549	470.5410	3.3467	470.7543	3.0729
470.1193	3.1485	470.3327	3.0667	470.5461	3.2381	470.7594	3.0360
470.1244	3.2136	470.3378	3.0229	470.5511	3.2301	470.7645	3.1303
470.1295	3.1437	470.3428	3.0755	470.5562	3.2470	470.7696	3.0936
470.1346	3.1431	470.3479	3.0663	470.5613	3.2467	470.7747	3.0714
470.1396	3.1422	470.3530	3.0452	470.5664	3.2154	470.7797	3.0713
470.1447	3.1755	470.3581	3.1030	470.5714	3.1952	470.7848	3.1588
470.1498	3.1904	470.3632	3.0665	470.5765	3.2355	470.7899	3.1661
470.1549	3.2197	470.3683	3.0254	470.5816	3.2022	470.7950	3.0748
470.1600	3.1694	470.3733	3.0898	470.5867	3.2391	470.8000	3.0350
470.1650	3.2472	470.3784	3.0909	470.5918	3.1695	470.8051	3.0880
470.1701	3.2114	470.3835	3.1283	470.5969	3.2279	470.8102	3.0359
470.1752	3.1698	470.3886	3.0568	470.6019	3.2000	470.8153	3.0451
470.1803	3.1962	470.3936	3.1259	470.6070	3.2209	470.8204	2.9765
470.1854	3.1902	470.3987	3.1421	470.6121	3.1863	470.8255	3.0005
470.1905	3.2195	470.4038	3.1456	470.6172	3.1476	470.8305	3.0606



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
470.8356	3.0755	471.0490	2.9762	471.2624	2.7899	471.4757	3.0226
470.8407	2.9821	471.0541	2.9617	471.2674	2.8687	471.4808	2.9321
470.8458	3.0816	471.0591	2.9596	471.2725	2.8145	471.4859	2.9935
470.8509	3.0599	471.0642	2.9757	471.2776	2.7524	471.4910	2.9074
470.8559	3.0455	471.0693	2.9947	471.2827	2.7664	471.4960	2.9201
470.8610	3.0478	471.0744	3.0437	471.2878	2.7652	471.5011	2.8947
470.8661	3.0274	471.0795	3.0090	471.2928	2.7968	471.5062	2.9301
470.8712	3.1108	471.0845	2.9527	471.2979	2.7667	471.5113	2.9149
470.8763	3.0143	471.0896	2.9321	471.3030	2.7432	471.5164	2.8850
470.8813	2.9970	471.0947	3.0120	471.3081	2.7641	471.5214	2.9053
470.8864	3.0059	471.0998	3.0215	471.3131	2.7822	471.5265	2.9068
470.8915	2.9437	471.1049	2.9720	471.3182	2.7649	471.5316	2.9374
470.8966	2.9359	471.1100	2.9889	471.3233	2.7928	471.5367	2.9342
470.9017	2.9449	471.1150	2.9900	471.3284	2.8124	471.5417	2.9815
470.9067	2.9554	471.1201	3.0455	471.3335	2.8659	471.5468	2.9810
470.9118	3.0780	471.1252	3.0126	471.3386	2.8612	471.5519	2.9152
470.9169	3.0423	471.1303	2.9762	471.3436	2.8413	471.5570	2.9485
470.9220	3.0506	471.1353	3.0198	471.3487	2.8828	471.5621	2.9229
470.9271	3.0367	471.1404	2.9845	471.3538	2.8840	471.5671	2.9246
470.9321	3.0683	471.1455	2.9875	471.3589	2.8524	471.5722	2.8514
470.9372	3.0819	471.1506	2.9534	471.3640	2.8148	471.5773	2.8407
470.9423	3.0190	471.1557	3.0060	471.3690	2.8628	471.5824	2.8394
470.9474	3.0447	471.1607	2.9764	471.3741	2.8759	471.5875	2.8982
470.9525	3.0116	471.1658	3.0020	471.3792	2.8578	471.5926	2.8264
470.9576	2.9886	471.1709	3.0169	471.3843	2.8271	471.5976	2.8107
470.9626	2.9412	471.1760	3.0427	471.3893	2.8411	471.6027	2.8067
470.9677	2.9403	471.1811	2.9562	471.3944	2.8446	471.6078	2.8317
470.9728	2.9109	471.1862	2.9203	471.3995	2.8467	471.6129	2.7971
470.9779	2.8558	471.1912	2.9240	471.4046	2.8619	471.6180	2.7958
470.9829	2.8719	471.1963	2.9459	471.4097	2.8638	471.6230	2.8290
470.9880	2.8259	471.2014	3.0023	471.4148	2.9190	471.6281	2.8802
470.9931	2.8540	471.2065	2.8849	471.4198	2.8834	471.6332	2.8594
470.9982	2.8778	471.2115	2.8980	471.4249	2.9100	471.6383	2.9142
471.0033	2.8915	471.2166	2.8694	471.4300	2.9280	471.6433	2.9066
471.0083	2.8795	471.2217	2.8938	471.4351	2.8624	471.6484	2.8881
471.0134	2.9193	471.2268	2.8914	471.4402	2.9067	471.6535	2.9509
471.0185	2.9744	471.2319	2.8361	471.4452	2.9049	471.6586	2.8869
471.0236	2.9367	471.2369	2.8394	471.4503	2.9199	471.6637	2.9307
471.0287	2.9459	471.2420	2.8072	471.4554	2.9091	471.6688	2.8956
471.0338	2.9032	471.2471	2.8044	471.4605	2.9403	471.6738	2.9905
471.0388	2.9211	471.2522	2.7735	471.4655	2.9956	471.6789	2.9344
471.0439	2.9140	471.2573	2.7620	471.4706	2.9754	471.6840	2.9765



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
471.6891	2.9753	471.9024	3.1459	472.1158	3.0458	472.3295	3.0545
471.6942	2.9954	471.9075	3.1197	472.1209	3.0611	472.3345	3.0941
471.6992	3.0205	471.9126	3.1349	472.1260	3.0481	472.3396	3.0419
471.7043	3.0471	471.9177	3.2117	472.1310	3.0633	472.3446	2.9643
471.7094	3.0393	471.9228	3.1824	472.1361	3.0678	472.3497	3.0490
471.7145	3.1346	471.9279	3.1478	472.1412	3.0212	472.3547	2.9969
471.7195	3.1466	471.9329	3.1756	472.1463	3.0407	472.3598	2.9322
471.7246	3.1179	471.9380	3.2502	472.1514	3.0767	472.3648	2.9651
471.7297	3.0318	471.9431	3.2160	472.1564	3.0662	472.3699	2.9309
471.7348	3.1194	471.9482	3.2108	472.1615	3.0166	472.3749	2.9912
471.7399	3.0306	471.9532	3.1824	472.1666	3.0840	472.3800	2.9267
471.7450	3.0390	471.9583	3.1723	472.1717	3.0490	472.3850	3.0015
471.7500	3.0195	471.9634	3.1853	472.1768	3.0452	472.3901	2.9687
471.7551	3.0211	471.9685	3.1486	472.1819	3.1204	472.3952	3.0146
471.7602	3.0924	471.9736	3.1635	472.1869	3.0751	472.4002	2.9800
471.7653	3.0701	471.9786	3.1410	472.1920	3.1449	472.4053	3.0141
471.7704	3.0188	471.9837	3.0915	472.1971	3.0080	472.4103	3.0142
471.7755	3.0348	471.9888	3.2127	472.2022	2.9850	472.4154	3.0024
471.7805	3.0650	471.9939	3.1725	472.2072	3.0049	472.4204	2.9843
471.7856	3.0320	471.9990	3.1442	472.2123	2.9017	472.4255	2.9379
471.7907	3.1097	472.0040	3.1740	472.2174	2.9091	472.4305	2.8953
471.7957	3.0259	472.0091	3.2058	472.2225	3.0334	472.4356	2.8990
471.8008	3.0541	472.0142	3.1022	472.2276	3.0001	472.4406	2.9308
471.8059	3.0657	472.0193	3.1145	472.2326	2.9474	472.4457	2.8710
471.8110	3.0525	472.0244	3.0958	472.2377	3.0159	472.4507	2.9795
471.8161	3.1273	472.0294	3.0481	472.2428	3.0966	472.4558	2.9526
471.8212	3.0061	472.0345	3.0288	472.2479	3.0567	472.4608	2.9395
471.8262	3.0724	472.0396	3.0946	472.2530	3.0244	472.4659	2.8989
471.8313	3.0423	472.0447	3.0753	472.2581	3.0036	472.4709	2.9863
471.8364	3.0557	472.0498	3.0473	472.2631	3.0127	472.4760	2.9736
471.8415	3.0777	472.0548	3.1295	472.2682	2.9735	472.4810	2.9370
471.8466	3.0812	472.0599	3.1111	472.2733	2.9582	472.4861	2.8568
471.8517	3.0942	472.0650	3.0501	472.2784	2.9157	472.4911	2.9436
471.8567	3.0828	472.0701	3.0879	472.2834	2.9421	472.4962	2.8852
471.8618	3.1672	472.0752	3.0713	472.2885	2.9495	472.5013	2.9009
471.8669	3.0576	472.0802	3.0372	472.2936	2.9477	472.5063	2.8909
471.8719	3.0761	472.0853	3.0646	472.2987	3.0044	472.5114	2.8559
471.8770	3.0243	472.0904	3.0888	472.3042	3.0776	472.5164	2.8425
471.8821	3.0972	472.0955	3.0331	472.3093	3.0439	472.5215	2.9244
471.8872	3.1410	472.1006	3.0589	472.3143	3.0922	472.5265	2.7932
471.8923	3.1127	472.1057	3.0274	472.3194	3.0812	472.5316	2.8260
471.8974	3.0978	472.1107	3.0519	472.3244	3.0351	472.5366	2.9041



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
472.5417	2.8596	472.7539	2.9670	472.9661	2.9376	473.1783	3.0062
472.5467	2.8836	472.7589	2.9544	472.9711	2.9613	473.1833	3.0631
472.5518	2.8301	472.7640	2.8896	472.9762	2.9805	473.1884	3.0657
472.5568	2.8616	472.7690	2.8694	472.9812	2.8836	473.1934	3.0732
472.5619	2.8544	472.7741	2.8813	472.9863	2.9105	473.1985	3.0911
472.5669	2.8783	472.7791	2.8857	472.9913	2.8960	473.2035	3.0666
472.5720	2.8575	472.7842	2.8816	472.9964	2.9584	473.2086	3.1068
472.5771	2.8488	472.7892	2.8767	473.0014	2.9471	473.2136	3.1178
472.5821	2.8834	472.7943	2.9884	473.0065	2.9141	473.2187	3.1045
472.5872	2.8431	472.7993	2.9817	473.0115	2.9942	473.2238	3.0996
472.5922	2.8406	472.8044	2.9375	473.0166	3.0216	473.2288	3.0870
472.5973	2.8015	472.8094	2.9037	473.0216	3.1114	473.2339	3.1727
472.6023	2.8410	472.8145	2.9573	473.0267	3.1239	473.2389	3.0864
472.6074	2.8063	472.8195	2.9194	473.0317	3.1430	473.2440	2.9829
472.6124	2.8378	472.8246	2.9545	473.0368	3.0833	473.2490	3.0515
472.6175	2.8232	472.8297	2.9203	473.0419	3.0758	473.2541	3.0602
472.6225	2.8718	472.8347	2.9318	473.0469	3.1338	473.2591	3.0484
472.6276	2.8483	472.8398	2.9809	473.0520	3.0734	473.2642	3.0841
472.6326	2.8855	472.8448	2.9881	473.0570	3.0731	473.2692	3.0078
472.6377	2.8610	472.8499	3.0366	473.0621	3.0707	473.2743	3.0360
472.6427	2.9080	472.8549	3.0566	473.0671	3.0670	473.2793	3.0560
472.6478	2.8105	472.8600	3.1118	473.0722	3.0610	473.2844	3.0455
472.6528	2.9067	472.8650	3.0444	473.0772	3.0539	473.2894	3.1043
472.6579	2.9165	472.8701	3.0801	473.0823	3.0177	473.2945	3.1948
472.6629	2.9572	472.8751	3.0591	473.0873	2.9909	473.2995	3.1533
472.6680	2.8637	472.8802	3.0258	473.0924	2.9773	473.3046	3.1845
472.6730	2.8172	472.8852	3.0989	473.0974	2.9951	473.3096	3.2221
472.6781	2.8045	472.8903	3.0482	473.1025	2.9361	473.3147	3.3290
472.6831	2.7785	472.8954	3.1132	473.1075	2.9455	473.3197	3.2869
472.6882	2.8697	472.9004	3.0782	473.1126	2.9253	473.3248	3.2496
472.6932	2.7816	472.9055	3.0605	473.1176	2.9574	473.3298	3.3410
472.6983	2.7839	472.9105	3.0972	473.1227	2.9747	473.3349	3.4705
472.7033	2.8913	472.9156	3.0684	473.1277	2.9200	473.3399	3.4206
472.7084	2.8027	472.9206	2.9901	473.1328	2.9799	473.3450	3.4707
472.7135	2.7802	472.9257	2.9799	473.1378	3.0099	473.3500	3.4598
472.7185	2.8733	472.9307	2.9367	473.1429	2.9976	473.3551	3.4086
472.7236	2.8094	472.9358	2.9426	473.1479	3.0074	473.3602	3.3485
472.7286	2.8036	472.9408	2.9420	473.1530	3.0053	473.3652	3.3092
472.7337	2.9274	472.9459	2.8959	473.1581	3.0512	473.3703	3.3223
472.7387	2.9718	472.9509	2.9028	473.1631	3.0282	473.3753	3.3062
472.7438	2.9659	472.9560	2.9181	473.1682	2.9867	473.3804	3.2341
472.7488	2.9925	472.9610	2.9098	473.1732	3.0347	473.3854	3.2092



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
473.3905	3.2588	473.6027	3.2675	473.8148	3.6457	474.0271	4.0692
473.3955	3.2070	473.6077	3.3444	473.8199	3.6225	474.0321	4.0542
473.4006	3.2091	473.6128	3.3016	473.8250	3.6544	474.0372	3.9733
473.4056	3.1935	473.6178	3.3072	473.8300	3.7065	474.0422	3.9189
473.4107	3.1655	473.6229	3.3751	473.8351	3.6209	474.0473	3.9804
473.4157	3.0888	473.6279	3.3624	473.8401	3.6218	474.0523	3.7795
473.4208	3.1457	473.6330	3.3677	473.8452	3.6579	474.0574	3.8152
473.4258	3.1415	473.6380	3.4311	473.8502	3.6446	474.0624	3.7140
473.4309	3.1107	473.6431	3.4770	473.8553	3.6008	474.0675	3.8018
473.4359	3.1369	473.6481	3.4017	473.8603	3.6227	474.0725	3.6975
473.4410	3.2051	473.6532	3.4562	473.8654	3.7026	474.0776	3.7187
473.4460	3.2231	473.6582	3.4763	473.8705	3.7491	474.0826	3.8001
473.4511	3.1815	473.6633	3.5485	473.8755	3.6968	474.0877	3.7946
473.4561	3.2197	473.6683	3.5544	473.8806	3.7773	474.0927	3.7124
473.4612	3.2701	473.6734	3.6384	473.8856	3.8989	474.0978	3.7379
473.4662	3.2644	473.6784	3.6764	473.8907	3.8323	474.1028	3.8008
473.4713	3.3401	473.6835	3.7655	473.8957	3.8676	474.1079	3.6103
473.4763	3.3562	473.6886	3.7925	473.9008	3.8412	474.1129	3.5700
473.4814	3.4352	473.6936	3.8241	473.9058	3.8943	474.1180	3.6912
473.4865	3.4223	473.6987	3.8340	473.9109	3.8075	474.1230	3.6988
473.4915	3.4400	473.7037	3.7928	473.9159	3.8983	474.1281	3.7318
473.4966	3.4019	473.7088	3.6988	473.9210	3.9042	474.1331	3.7400
473.5016	3.3790	473.7138	3.6955	473.9260	4.0469	474.1382	3.9636
473.5067	3.3589	473.7189	3.5734	473.9311	4.1023	474.1433	4.0475
473.5117	3.2941	473.7239	3.5696	473.9361	4.1764	474.1483	3.9487
473.5168	3.3293	473.7290	3.5802	473.9412	4.1565	474.1534	3.9681
473.5218	3.4011	473.7340	3.5039	473.9462	4.1065	474.1584	3.9203
473.5269	3.3764	473.7391	3.5791	473.9513	4.1449	474.1635	3.9849
473.5319	3.4197	473.7441	3.5013	473.9563	4.0563	474.1685	3.9696
473.5370	3.3892	473.7492	3.5863	473.9614	3.9300	474.1736	3.8831
473.5421	3.4432	473.7542	3.6486	473.9664	3.9983	474.1786	3.8800
473.5471	3.3523	473.7593	3.7073	473.9715	4.0797	474.1837	3.9119
473.5522	3.3750	473.7643	3.7146	473.9765	3.9872	474.1888	3.8640
473.5572	3.3717	473.7694	3.6616	473.9816	4.0691	474.1938	3.8895
473.5623	3.3856	473.7744	3.6763	473.9866	3.9917	474.1989	3.8479
473.5673	3.3171	473.7795	3.7681	473.9917	4.0513	474.2039	3.8570
473.5724	3.3526	473.7845	3.7526	473.9967	4.0384	474.2090	3.8437
473.5774	3.3323	473.7896	3.7061	474.0018	3.9217	474.2140	3.8515
473.5825	3.3142	473.7946	3.6871	474.0069	4.0148	474.2191	4.0459
473.5875	3.3750	473.7997	3.6240	474.0119	4.0545	474.2241	3.9760
473.5926	3.4011	473.8047	3.6145	474.0170	4.0341	474.2292	4.0166
473.5976	3.3888	473.8098	3.6310	474.0220	3.9537	474.2342	4.0073



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
474.2393	4.0613	474.4514	3.5163	474.6637	3.4207	474.8759	3.7369
474.2443	3.8555	474.4565	3.5072	474.6687	3.4158	474.8809	3.6802
474.2494	3.8665	474.4615	3.4534	474.6738	3.4176	474.8860	3.7534
474.2544	3.8123	474.4666	3.4331	474.6788	3.4020	474.8910	3.6339
474.2595	3.8103	474.4717	3.5160	474.6839	3.3798	474.8961	3.5553
474.2645	3.6604	474.4767	3.5321	474.6889	3.4810	474.9011	3.5653
474.2696	3.7266	474.4818	3.6633	474.6940	3.5648	474.9062	3.6088
474.2746	3.6933	474.4868	3.6741	474.6990	3.6236	474.9112	3.5524
474.2797	3.7653	474.4919	3.6322	474.7041	3.8448	474.9163	3.5075
474.2847	3.7403	474.4969	3.6662	474.7091	3.8151	474.9213	3.6427
474.2898	3.7152	474.5020	3.7247	474.7142	3.9309	474.9264	3.5412
474.2948	3.8534	474.5070	3.5984	474.7192	3.8418	474.9314	3.5932
474.2999	3.8021	474.5121	3.5875	474.7243	3.9095	474.9365	3.5359
474.3049	3.7510	474.5172	3.5740	474.7293	3.6758	474.9415	3.7012
474.3100	3.7801	474.5222	3.5350	474.7344	3.6303	474.9466	3.6088
474.3150	3.7605	474.5273	3.6094	474.7394	3.5859	474.9516	3.6322
474.3201	3.7435	474.5323	3.6478	474.7445	3.5389	474.9567	3.6135
474.3251	3.6977	474.5374	3.6136	474.7495	3.5419	474.9617	3.5290
474.3302	3.7231	474.5424	3.6038	474.7546	3.6331	474.9668	3.6492
474.3353	3.7309	474.5475	3.6516	474.7596	3.7566	474.9718	3.6758
474.3403	3.6917	474.5525	3.6495	474.7647	3.8108	474.9769	3.6467
474.3454	3.7485	474.5576	3.6048	474.7697	3.9554	474.9820	3.6454
474.3504	3.6665	474.5626	3.7012	474.7748	3.9436	474.9870	3.7406
474.3555	3.7454	474.5677	3.7671	474.7798	3.9738	474.9921	3.7019
474.3605	3.6948	474.5727	3.6594	474.7849	3.8920	474.9971	3.8209
474.3656	3.7621	474.5778	3.8087	474.7900	3.9493	475.0022	3.7595
474.3706	3.6909	474.5828	3.8917	474.7950	3.8318	475.0072	3.7239
474.3757	3.7505	474.5879	3.8676	474.8001	3.7960	475.0123	3.7840
474.3807	3.6550	474.5929	3.7403	474.8051	3.8642	475.0173	3.8067
474.3858	3.7344	474.5980	3.9474	474.8102	3.8699	475.0224	3.7318
474.3908	3.6827	474.6030	3.8785	474.8152	3.9461	475.0274	3.6470
474.3959	3.7642	474.6081	3.7619	474.8203	3.7832	475.0325	3.7321
474.4009	3.7085	474.6131	3.8438	474.8253	3.8582	475.0375	3.6619
474.4060	3.6822	474.6182	3.8273	474.8304	3.8860	475.0426	3.6863
474.4110	3.6076	474.6232	3.7722	474.8354	3.7660	475.0476	3.6189
474.4161	3.6569	474.6283	3.7905	474.8405	3.8353	475.0527	3.7305
474.4211	3.5362	474.6333	3.7605	474.8456	3.7395	475.0577	3.6823
474.4262	3.5692	474.6384	3.6685	474.8506	3.7480	475.0628	3.6710
474.4312	3.6211	474.6434	3.6203	474.8557	3.7456	475.0678	3.6174
474.4363	3.5586	474.6485	3.5256	474.8607	3.7666	475.0729	3.5767
474.4413	3.4984	474.6536	3.4979	474.8658	3.6450	475.0779	3.5651
474.4464	3.4570	474.6586	3.4256	474.8708	3.7483	475.0830	3.5412



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
475.0880	3.4944	475.3003	3.4537	475.5125	3.5364	475.7246	3.1568
475.0931	3.5261	475.3053	3.4077	475.5175	3.4959	475.7297	3.0545
475.0981	3.5245	475.3104	3.4038	475.5226	3.5563	475.7347	3.0580
475.1032	3.5152	475.3154	3.4485	475.5276	3.4144	475.7398	3.0866
475.1082	3.5910	475.3205	3.3708	475.5327	3.4317	475.7448	2.9652
475.1133	3.5070	475.3255	3.4007	475.5377	3.4101	475.7499	2.9661
475.1184	3.5035	475.3306	3.3903	475.5428	3.4366	475.7549	2.9933
475.1234	3.5002	475.3356	3.3776	475.5478	3.4046	475.7600	2.9979
475.1285	3.5596	475.3407	3.4204	475.5529	3.3162	475.7651	2.9655
475.1335	3.4272	475.3457	3.4295	475.5579	3.4003	475.7701	3.0197
475.1386	3.4576	475.3508	3.4636	475.5630	3.3930	475.7752	2.9754
475.1436	3.3780	475.3558	3.4659	475.5680	3.3867	475.7802	2.9913
475.1487	3.4371	475.3609	3.4478	475.5731	3.3676	475.7853	3.0038
475.1537	3.4578	475.3659	3.4441	475.5781	3.4190	475.7903	3.0724
475.1588	3.4055	475.3710	3.4637	475.5832	3.4647	475.7954	3.0346
475.1638	3.3730	475.3760	3.4433	475.5882	3.4847	475.8004	3.1187
475.1689	3.4100	475.3811	3.4334	475.5933	3.4542	475.8055	3.0837
475.1740	3.4030	475.3861	3.4866	475.5983	3.5549	475.8105	3.1049
475.1790	3.4568	475.3912	3.4787	475.6034	3.5512	475.8156	3.0886
475.1841	3.5025	475.3962	3.4427	475.6084	3.5504	475.8206	3.1324
475.1891	3.5309	475.4013	3.4760	475.6135	3.5788	475.8257	3.0797
475.1942	3.5537	475.4063	3.4993	475.6185	3.5456	475.8307	3.1364
475.1992	3.6238	475.4114	3.5123	475.6236	3.4134	475.8358	3.0763
475.2043	3.5675	475.4164	3.3710	475.6287	3.4623	475.8409	3.2035
475.2093	3.5963	475.4215	3.4659	475.6337	3.3733	475.8459	3.1992
475.2144	3.5524	475.4265	3.4332	475.6388	3.3120	475.8510	3.1782
475.2194	3.6267	475.4316	3.5099	475.6438	3.2796	475.8560	3.1742
475.2245	3.4942	475.4367	3.4797	475.6489	3.2678	475.8611	3.2449
475.2295	3.5293	475.4417	3.5852	475.6539	3.1912	475.8661	3.1505
475.2346	3.5191	475.4468	3.5435	475.6590	3.1374	475.8712	3.1459
475.2396	3.4969	475.4518	3.6129	475.6640	3.1648	475.8762	3.1811
475.2447	3.5915	475.4569	3.5910	475.6691	3.0790	475.8813	3.1793
475.2497	3.5952	475.4619	3.6390	475.6741	3.1393	475.8863	3.1863
475.2548	3.6002	475.4670	3.5182	475.6792	3.1958	475.8914	3.2356
475.2598	3.5819	475.4720	3.5701	475.6842	3.2507	475.8964	3.2659
475.2649	3.6782	475.4771	3.5379	475.6893	3.1759	475.9015	3.1586
475.2699	3.6153	475.4821	3.5411	475.6943	3.3246	475.9065	3.2207
475.2750	3.5245	475.4872	3.4553	475.6994	3.3238	475.9116	3.1524
475.2800	3.5132	475.4922	3.5686	475.7044	3.2463	475.9166	3.1631
475.2851	3.4789	475.4973	3.5459	475.7095	3.1623	475.9217	3.2146
475.2901	3.4843	475.5023	3.6101	475.7145	3.2184	475.9267	3.1915
475.2952	3.4887	475.5074	3.5267	475.7196	3.1407	475.9318	3.2055



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
475.9368	3.2714	476.1490	2.8854	476.3612	3.1623	476.5734	2.8669
475.9419	3.2829	476.1541	2.9177	476.3663	3.1434	476.5785	2.8711
475.9470	3.1914	476.1591	2.9508	476.3713	3.1394	476.5835	2.9350
475.9520	3.2795	476.1642	2.9440	476.3764	3.1553	476.5886	2.8625
475.9571	3.2860	476.1693	2.8945	476.3814	3.0866	476.5937	2.9226
475.9621	3.1843	476.1743	2.9340	476.3865	3.0512	476.5987	2.8663
475.9672	3.1888	476.1794	3.0113	476.3915	3.0979	476.6038	2.8805
475.9722	3.2012	476.1844	3.0633	476.3966	3.0335	476.6088	2.8584
475.9773	3.1971	476.1895	3.0484	476.4016	3.1669	476.6139	2.9445
475.9823	3.2565	476.1945	3.1090	476.4067	3.0524	476.6189	2.9250
475.9874	3.2576	476.1996	3.0624	476.4118	3.1655	476.6240	2.9440
475.9924	3.3202	476.2046	3.2445	476.4168	3.1299	476.6290	3.0159
475.9975	3.3243	476.2097	3.1452	476.4219	3.1987	476.6341	2.9561
476.0025	3.3493	476.2147	3.1514	476.4269	3.0706	476.6391	3.0121
476.0076	3.3190	476.2198	3.2440	476.4320	3.1379	476.6442	3.0810
476.0126	3.3489	476.2248	3.1421	476.4370	3.1832	476.6492	3.0955
476.0177	3.2792	476.2299	3.1734	476.4421	3.1791	476.6543	3.1033
476.0227	3.2615	476.2349	3.1804	476.4471	3.2199	476.6593	3.1618
476.0278	3.2445	476.2400	3.1695	476.4522	3.2781	476.6644	3.1727
476.0328	3.2577	476.2450	3.2161	476.4572	3.2571	476.6694	3.1953
476.0379	3.1591	476.2501	3.1890	476.4623	3.2013	476.6745	3.2678
476.0429	3.1696	476.2551	3.1891	476.4673	3.1973	476.6795	3.1490
476.0480	3.2102	476.2602	3.3045	476.4724	3.0646	476.6846	3.1329
476.0530	3.1052	476.2652	3.2897	476.4774	3.0594	476.6896	3.1729
476.0581	3.1319	476.2703	3.3088	476.4825	3.0386	476.6947	3.1488
476.0631	3.1387	476.2754	3.2592	476.4875	2.9965	476.6997	3.1421
476.0682	3.1529	476.2804	3.3079	476.4926	3.0393	476.7048	3.1655
476.0732	3.1314	476.2855	3.3187	476.4977	3.0542	476.7098	3.1556
476.0783	3.1261	476.2905	3.2344	476.5027	3.0257	476.7149	3.2300
476.0834	3.1307	476.2956	3.1937	476.5078	3.0834	476.7199	3.2452
476.0884	3.1205	476.3006	3.2283	476.5128	3.1203	476.7250	3.2728
476.0935	3.1619	476.3057	3.1723	476.5179	3.1189	476.7301	3.2790
476.0985	3.1547	476.3107	3.1718	476.5229	3.0471	476.7351	3.2813
476.1036	3.1581	476.3158	3.1414	476.5280	3.0726	476.7402	3.2922
476.1086	3.1078	476.3208	3.0838	476.5330	3.0580	476.7452	3.1738
476.1137	3.0655	476.3259	3.1883	476.5381	2.9719	476.7503	3.1930
476.1187	3.0067	476.3309	3.1149	476.5431	2.8716	476.7553	3.1207
476.1238	3.0135	476.3360	3.0927	476.5482	2.8942	476.7604	3.2054
476.1288	2.9273	476.3410	3.1422	476.5532	2.7982	476.7654	2.9804
476.1339	2.9315	476.3461	3.1848	476.5583	2.8267	476.7705	3.0339
476.1389	2.9439	476.3511	3.1437	476.5633	2.8109	476.7755	2.9413
476.1440	2.9139	476.3562	3.1582	476.5684	2.8060	476.7806	2.8939



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
476.7856	2.8913	476.9936	2.9847	477.2061	2.9741	477.4186	2.9013
476.7907	2.8896	476.9987	3.0585	477.2112	2.9143	477.4237	2.9385
476.7957	2.8635	477.0037	3.0002	477.2162	2.9707	477.4288	2.9556
476.8008	2.8793	477.0088	3.0488	477.2213	2.9520	477.4338	2.9604
476.8058	2.9356	477.0138	3.0793	477.2263	2.9424	477.4389	2.9282
476.8109	2.9572	477.0189	3.0531	477.2314	3.0123	477.4439	2.9713
476.8159	2.9778	477.0240	2.9674	477.2365	2.9968	477.4490	2.9440
476.8165	2.9813	477.0290	3.0290	477.2415	3.0125	477.4541	2.8938
476.8216	3.0271	477.0341	2.8738	477.2466	2.9537	477.4591	2.8990
476.8266	2.9829	477.0392	2.9506	477.2516	2.9984	477.4642	2.9572
476.8317	2.9535	477.0442	2.9389	477.2567	2.9460	477.4692	2.9108
476.8367	2.9813	477.0493	2.9470	477.2618	2.9875	477.4743	2.8434
476.8418	3.0442	477.0543	2.9694	477.2668	2.9045	477.4794	2.9081
476.8469	2.9798	477.0594	3.0109	477.2719	2.9117	477.4844	2.8477
476.8519	2.9482	477.0645	2.9825	477.2770	2.9103	477.4895	2.9288
476.8570	3.0301	477.0695	2.9277	477.2820	2.9093	477.4945	2.9406
476.8620	3.0362	477.0746	2.9270	477.2871	2.9119	477.4996	2.9246
476.8671	3.0177	477.0796	2.9343	477.2921	2.9033	477.5047	2.8950
476.8722	3.0566	477.0847	2.9329	477.2972	2.9038	477.5097	2.9241
476.8772	3.0206	477.0898	2.9404	477.3023	2.8866	477.5148	2.9584
476.8823	3.0094	477.0948	2.9632	477.3073	2.8925	477.5198	2.9840
476.8873	3.0031	477.0999	2.9639	477.3124	2.8858	477.5249	2.9619
476.8924	2.9477	477.1049	2.9345	477.3174	2.8470	477.5300	2.9280
476.8975	2.9124	477.1100	2.9430	477.3225	2.8544	477.5350	2.9878
476.9025	2.9820	477.1151	2.9389	477.3276	2.8971	477.5401	2.9661
476.9076	2.9455	477.1201	2.8787	477.3326	2.9059	477.5451	2.9363
476.9126	2.9621	477.1252	2.8744	477.3377	2.9728	477.5502	2.8918
476.9177	2.9521	477.1302	2.8777	477.3427	2.9989	477.5553	2.9189
476.9228	3.1053	477.1353	2.8960	477.3478	3.0151	477.5603	2.9234
476.9278	3.0549	477.1404	2.8744	477.3529	3.0228	477.5654	2.9551
476.9329	3.0462	477.1454	2.8840	477.3579	3.0153	477.5704	2.9636
476.9379	3.1099	477.1505	2.9060	477.3630	2.9440	477.5755	2.9613
476.9430	3.1118	477.1555	2.8358	477.3680	2.9569	477.5806	2.9319
476.9481	3.1411	477.1606	2.8639	477.3731	2.9202	477.5856	2.9660
476.9531	3.0921	477.1656	2.9331	477.3782	2.9597	477.5907	2.9406
476.9582	3.1746	477.1707	2.8610	477.3832	2.9867	477.5957	2.8298
476.9632	3.1111	477.1758	2.9088	477.3883	3.0098	477.6008	2.8371
476.9683	3.0351	477.1808	2.9358	477.3933	3.0320	477.6059	2.8639
476.9734	3.0570	477.1859	2.9446	477.3984	2.9990	477.6109	2.8372
476.9784	3.0409	477.1909	2.8977	477.4035	3.0193	477.6160	2.8997
476.9835	2.9531	477.1960	2.9343	477.4085	2.9971	477.6211	2.8556
476.9885	2.9237	477.2010	2.9325	477.4136	2.9487	477.6261	2.9092



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
477.6312	2.9897	477.8437	2.9099	478.0562	3.1273	478.2687	2.7985
477.6362	2.9770	477.8488	2.9889	478.0613	3.0709	478.2738	2.7904
477.6413	3.0288	477.8538	2.9466	478.0663	3.0431	478.2789	2.8056
477.6464	3.0526	477.8589	3.0353	478.0714	3.1517	478.2839	2.7898
477.6514	3.0485	477.8639	2.9916	478.0764	3.1432	478.2890	2.8002
477.6565	3.0616	477.8690	2.9601	478.0815	3.1002	478.2940	2.7397
477.6615	3.1271	477.8741	2.9199	478.0866	3.0977	478.2991	2.8238
477.6666	2.9787	477.8791	2.9206	478.0916	3.1184	478.3042	2.8062
477.6717	2.9893	477.8842	2.9029	478.0967	3.0556	478.3092	2.8853
477.6767	3.0408	477.8892	2.8509	478.1017	3.0946	478.3143	2.8336
477.6818	3.0441	477.8943	2.8400	478.1068	3.0790	478.3193	2.8206
477.6868	2.9561	477.8994	2.8504	478.1119	3.0534	478.3244	2.8401
477.6919	2.9576	477.9044	2.8193	478.1169	3.0008	478.3295	2.8435
477.6970	2.8942	477.9095	2.8165	478.1220	2.9591	478.3345	2.7597
477.7020	2.9879	477.9145	2.8201	478.1270	2.9445	478.3396	2.7499
477.7071	2.9542	477.9196	2.8244	478.1321	2.8741	478.3446	2.7347
477.7121	2.9198	477.9247	2.8301	478.1372	2.9061	478.3497	2.6513
477.7172	3.0063	477.9297	2.8334	478.1422	2.8905	478.3548	2.6534
477.7223	2.9660	477.9348	2.9009	478.1473	2.8037	478.3598	2.6576
477.7273	2.9020	477.9398	2.8247	478.1523	2.8578	478.3649	2.6692
477.7324	2.9521	477.9449	2.8703	478.1574	2.8236	478.3699	2.6574
477.7374	2.9239	477.9500	2.8169	478.1625	2.8091	478.3750	2.6864
477.7425	2.8133	477.9550	2.8935	478.1675	2.8773	478.3801	2.6922
477.7476	2.8557	477.9601	2.8687	478.1726	2.8778	478.3851	2.7312
477.7526	2.9624	477.9651	2.8538	478.1776	2.8834	478.3902	2.7613
477.7577	3.0074	477.9702	2.8470	478.1827	2.8657	478.3952	2.7447
477.7627	2.9958	477.9753	2.8327	478.1878	2.9533	478.4003	2.8429
477.7678	3.0276	477.9803	2.8378	478.1928	2.8531	478.4054	2.8037
477.7729	3.0809	477.9854	2.7925	478.1979	2.8910	478.4104	2.8105
477.7779	3.0248	477.9904	2.8696	478.2029	2.8830	478.4155	2.8537
477.7830	2.9993	477.9955	2.8800	478.2080	2.8819	478.4205	2.8601
477.7880	2.9125	478.0005	2.9629	478.2131	2.8411	478.4256	2.8417
477.7931	2.9547	478.0056	2.9777	478.2181	2.9073	478.4307	2.7648
477.7982	2.8847	478.0107	2.9870	478.2232	2.9380	478.4357	2.7691
477.8032	2.9039	478.0157	3.0155	478.2283	2.8844	478.4408	2.7642
477.8083	2.9115	478.0208	3.0282	478.2333	2.8439	478.4458	2.7155
477.8133	2.9445	478.0258	3.0755	478.2384	2.8948	478.4509	2.6742
477.8184	2.9544	478.0309	3.0710	478.2434	2.8238	478.4560	2.6275
477.8235	2.8886	478.0360	2.9852	478.2485	2.8054	478.4610	2.6952
477.8285	2.9053	478.0410	3.0211	478.2536	2.7691	478.4661	2.6449
477.8336	2.9376	478.0461	3.0112	478.2586	2.7990	478.4711	2.7024
477.8386	2.9880	478.0511	3.0623	478.2637	2.7542	478.4762	2.6419



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

478.4813	2.7220	478.6938	2.6867	478.9063	2.8945	479.1188	2.8922
478.4863	2.7110	478.6989	2.6953	478.9114	2.8673	479.1239	2.9434
478.4914	2.6979	478.7039	2.7528	478.9164	2.8829	479.1289	2.8872
478.4964	2.7432	478.7090	2.7794	478.9215	2.9014	479.1340	2.8838
478.5015	2.7234	478.7140	2.7959	478.9265	2.8834	479.1391	2.8547
478.5066	2.7095	478.7191	2.8335	478.9316	2.9023	479.1441	2.8870
478.5116	2.6885	478.7242	2.8287	478.9367	2.9516	479.1492	2.8287
478.5167	2.7143	478.7292	2.8535	478.9417	2.8441	479.1543	2.8446
478.5217	2.6903	478.7343	2.8936	478.9468	2.8136	479.1593	2.9119
478.5268	2.7621	478.7393	2.8280	478.9518	2.8422	479.1644	2.9108
478.5319	2.7484	478.7444	2.8730	478.9569	2.7893	479.1694	2.9924
478.5369	2.8299	478.7495	2.8344	478.9620	2.7644	479.1745	2.9777
478.5420	2.8948	478.7545	2.9133	478.9670	2.7451	479.1796	3.0414
478.5470	2.9247	478.7596	2.8471	478.9721	2.7354	479.1846	3.0005
478.5521	2.8979	478.7646	2.9797	478.9771	2.7690	479.1897	3.0228
478.5572	2.9607	478.7697	2.9313	478.9822	2.7363	479.1947	3.0209
478.5622	2.9111	478.7747	2.9251	478.9873	2.7216	479.1998	3.0530
478.5673	2.9205	478.7798	2.9212	478.9923	2.8141	479.2049	3.0122
478.5724	2.8968	478.7849	2.8960	478.9974	2.8146	479.2099	3.0488
478.5774	2.8993	478.7899	2.9461	479.0024	2.8387	479.2150	3.1103
478.5825	2.9010	478.7950	2.8774	479.0075	2.8418	479.2200	3.0522
478.5875	2.8989	478.8000	2.8760	479.0126	2.9293	479.2251	2.9721
478.5926	2.8592	478.8051	2.8613	479.0176	2.9186	479.2302	3.0510
478.5977	2.9406	478.8102	2.9613	479.0227	2.9788	479.2352	3.0053
478.6027	2.9188	478.8152	2.9474	479.0277	2.9690	479.2403	2.9452
478.6078	2.8217	478.8203	2.8247	479.0328	3.0169	479.2453	2.9194
478.6128	2.8334	478.8253	2.8672	479.0379	2.9498	479.2504	2.9876
478.6179	2.8161	478.8304	2.9748	479.0429	2.9582	479.2555	2.9945
478.6230	2.8293	478.8355	2.9250	479.0480	2.9633	479.2605	2.9731
478.6280	2.7836	478.8405	2.8745	479.0530	2.9712	479.2656	2.9536
478.6331	2.7844	478.8456	2.8534	479.0581	2.9804	479.2706	2.9628
478.6381	2.7024	478.8506	2.8878	479.0632	2.9228	479.2757	2.9597
478.6432	2.7115	478.8557	2.9771	479.0682	2.9570	479.2808	2.9176
478.6483	2.7097	478.8608	2.9405	479.0733	2.9645	479.2858	2.9579
478.6533	2.7037	478.8658	2.9061	479.0783	2.9876	479.2909	2.9432
478.6584	2.7021	478.8709	2.9570	479.0834	2.8989	479.2959	3.0116
478.6634	2.7128	478.8759	2.9571	479.0885	2.9229	479.3010	2.9167
478.6685	2.6793	478.8810	2.8846	479.0935	2.9508	479.3061	2.9536
478.6736	2.7361	478.8861	2.9286	479.0986	2.8998	479.3111	2.9316
478.6786	2.7398	478.8911	2.9447	479.1036	2.9382	479.3162	2.9920
478.6837	2.6778	478.8962	2.8892	479.1087	2.9382	479.3212	2.9305
478.6887	2.7230	478.9012	2.8564	479.1138	2.9315	479.3263	2.9716



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
479.3314	2.9729	479.5439	3.1672	479.7564	3.1492	479.9689	3.2029
479.3364	2.8719	479.5490	3.1288	479.7615	3.1240	479.9740	3.2233
479.3415	2.9345	479.5540	3.0926	479.7665	3.1887	479.9790	3.3375
479.3465	2.9656	479.5591	3.1603	479.7716	3.2478	479.9841	3.3357
479.3516	2.9267	479.5641	3.1460	479.7766	3.2989	479.9892	3.3557
479.3567	2.9366	479.5692	3.1536	479.7817	3.3291	479.9942	3.3255
479.3617	3.0036	479.5742	3.1147	479.7868	3.2953	479.9993	3.3018
479.3668	3.0283	479.5793	3.2184	479.7918	3.3603	480.0043	3.3092
479.3718	3.0332	479.5844	3.2100	479.7969	3.2665	480.0094	3.2907
479.3769	3.0800	479.5894	3.1966	479.8019	3.3040	480.0145	3.2112
479.3820	3.1367	479.5945	3.2171	479.8070	3.2589	480.0195	3.2247
479.3870	3.1080	479.5995	3.2891	479.8121	3.2497	480.0246	3.2998
479.3921	3.0896	479.6046	3.2558	479.8171	3.3216	480.0296	3.2280
479.3971	3.1751	479.6096	3.2591	479.8222	3.3216	480.0347	3.1566
479.4022	3.2203	479.6147	3.3052	479.8272	3.2875	480.0398	3.2160
479.4073	3.2009	479.6198	3.3944	479.8323	3.3508	480.0448	3.1473
479.4123	3.2695	479.6248	3.3355	479.8374	3.2537	480.0499	3.1749
479.4174	3.2387	479.6299	3.3023	479.8424	3.3691	480.0549	3.1390
479.4224	3.2901	479.6349	3.3321	479.8475	3.3435	480.0600	3.0575
479.4275	3.2302	479.6400	3.2956	479.8525	3.3422	480.0651	3.1023
479.4326	3.1689	479.6451	3.2533	479.8576	3.3347	480.0701	3.1351
479.4376	3.3325	479.6501	3.1921	479.8627	3.2846	480.0752	3.0483
479.4427	3.2830	479.6552	3.1476	479.8677	3.3393	480.0802	3.0732
479.4477	3.2340	479.6602	3.2266	479.8728	3.4190	480.0853	3.1137
479.4528	3.2644	479.6653	3.2224	479.8778	3.3085	480.0904	3.1300
479.4579	3.3923	479.6704	3.2814	479.8829	3.3870	480.0954	3.1350
479.4629	3.2855	479.6754	3.2294	479.8880	3.4228	480.1005	3.1291
479.4680	3.2486	479.6805	3.3663	479.8930	3.4849	480.1056	3.1728
479.4730	3.2958	479.6855	3.3582	479.8981	3.4299	480.1106	3.1566
479.4781	3.2465	479.6906	3.3008	479.9031	3.4535	480.1157	3.1717
479.4832	3.2709	479.6957	3.4295	479.9082	3.4616	480.1207	3.1355
479.4882	3.3119	479.7007	3.2704	479.9133	3.3615	480.1258	3.0358
479.4933	3.2758	479.7058	3.3779	479.9183	3.3710	480.1309	3.0642
479.4984	3.2398	479.7108	3.2424	479.9234	3.2735	480.1359	3.0898
479.5034	3.2438	479.7159	3.3130	479.9284	3.2439	480.1410	2.9590
479.5085	3.1935	479.7210	3.2842	479.9335	3.2921	480.1460	2.9417
479.5135	3.2090	479.7260	3.2920	479.9386	3.2671	480.1511	3.1095
479.5186	3.2115	479.7311	3.2705	479.9436	3.2582	480.1562	3.0677
479.5237	3.2231	479.7362	3.2507	479.9487	3.2109	480.1612	3.1308
479.5287	3.2010	479.7412	3.1458	479.9537	3.2033	480.1663	3.0487
479.5338	3.1999	479.7463	3.2005	479.9588	3.2335	480.1713	3.1960
479.5388	3.1994	479.7513	3.1095	479.9639	3.2249	480.1764	3.0101



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
480.1815	3.0208	480.3940	2.7993	480.6065	2.9230	480.8190	2.7848
480.1865	3.0143	480.3990	2.7713	480.6115	2.9415	480.8241	2.7592
480.1916	3.0309	480.4041	2.7726	480.6166	2.8782	480.8291	2.7896
480.1966	2.9963	480.4091	2.8173	480.6217	2.9882	480.8342	2.7783
480.2017	2.9535	480.4142	2.8257	480.6267	2.9422	480.8393	2.7809
480.2068	3.0050	480.4193	2.8685	480.6318	3.0118	480.8443	2.7570
480.2118	2.9601	480.4243	2.8587	480.6368	3.0096	480.8494	2.7448
480.2169	2.8857	480.4294	2.9599	480.6419	3.0152	480.8544	2.7608
480.2219	2.9430	480.4344	2.9731	480.6470	2.9286	480.8595	2.7716
480.2270	2.8979	480.4395	2.9378	480.6520	2.8449	480.8646	2.7463
480.2321	2.8652	480.4446	2.9659	480.6571	2.8204	480.8696	2.8024
480.2371	2.9180	480.4496	2.9488	480.6621	2.7446	480.8747	2.8287
480.2422	2.9455	480.4547	2.9129	480.6672	2.7853	480.8797	2.7955
480.2472	2.9240	480.4597	2.9223	480.6723	2.6888	480.8848	2.8199
480.2523	2.9366	480.4648	3.0262	480.6773	2.8069	480.8899	2.8664
480.2574	2.9476	480.4699	2.9539	480.6824	2.7824	480.8949	2.8399
480.2624	3.0375	480.4749	2.9906	480.6875	2.8093	480.9000	2.7827
480.2675	2.9886	480.4800	3.0080	480.6925	2.8000	480.9050	2.8207
480.2725	2.9453	480.4850	3.0747	480.6976	2.8016	480.9101	2.8122
480.2776	2.9085	480.4901	3.0532	480.7026	2.8371	480.9152	2.7477
480.2827	2.9013	480.4952	3.0154	480.7077	2.8466	480.9202	2.7811
480.2877	2.8803	480.5002	2.9998	480.7128	2.8371	480.9253	2.8477
480.2928	2.9177	480.5053	2.9915	480.7178	2.8034	480.9303	2.8053
480.2978	2.8699	480.5103	2.9990	480.7229	2.8222	480.9354	2.8320
480.3029	2.8546	480.5154	2.9585	480.7279	2.8280	480.9405	2.8370
480.3080	2.8528	480.5205	2.9861	480.7330	2.7768	480.9455	2.8311
480.3130	2.8654	480.5255	2.9109	480.7381	2.6961	480.9506	2.8586
480.3181	2.8262	480.5306	2.9072	480.7431	2.6690	480.9556	2.8576
480.3231	2.8496	480.5356	2.8591	480.7482	2.7358	480.9607	2.7969
480.3282	2.8320	480.5407	2.8882	480.7532	2.7034	480.9658	2.8227
480.3333	2.8873	480.5458	2.8207	480.7583	2.7024	480.9708	2.7960
480.3383	2.9266	480.5508	2.8214	480.7634	2.7482	480.9759	2.8169
480.3434	2.9528	480.5559	2.9195	480.7684	2.7671	480.9809	2.7387
480.3484	2.9256	480.5609	2.9182	480.7735	2.7718	480.9860	2.7257
480.3535	2.9647	480.5660	2.9670	480.7785	2.7856	480.9911	2.6916
480.3586	2.9695	480.5711	2.9674	480.7836	2.7244	480.9961	2.6047
480.3636	2.9700	480.5761	2.9561	480.7887	2.7576	481.0012	2.6447
480.3687	2.8410	480.5812	2.9827	480.7937	2.7595	481.0062	2.6558
480.3737	2.8960	480.5862	3.0270	480.7988	2.7371	481.0113	2.6245
480.3788	2.8255	480.5913	2.9475	480.8038	2.7300	481.0164	2.6351
480.3839	2.8794	480.5964	2.9279	480.8089	2.7732	481.0214	2.6801
480.3889	2.8245	480.6014	2.9289	480.8140	2.7697	481.0265	2.7355



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
481.0316	2.7574	481.2440	2.9613	481.4534	3.0318	481.6662	2.8807
481.0366	2.7677	481.2491	2.9211	481.4584	3.1213	481.6713	2.8664
481.0417	2.8119	481.2542	2.8946	481.4635	2.9798	481.6763	2.8874
481.0467	2.7891	481.2592	2.8793	481.4686	2.9970	481.6814	2.9445
481.0518	2.7468	481.2643	2.8432	481.4737	2.9785	481.6865	2.9344
481.0569	2.7919	481.2694	2.8638	481.4787	2.9855	481.6915	2.9776
481.0619	2.8947	481.2744	2.8552	481.4838	2.9899	481.6966	2.9166
481.0670	2.8137	481.2795	2.8516	481.4889	3.0084	481.7017	2.9998
481.0720	2.8513	481.2845	2.8452	481.4939	2.9598	481.7067	2.9104
481.0771	2.8367	481.2896	2.9174	481.4990	3.0440	481.7118	2.9375
481.0822	2.8665	481.2947	2.9092	481.5041	3.0027	481.7169	2.8407
481.0872	2.8722	481.2997	2.9592	481.5091	3.0245	481.7219	2.9415
481.0923	2.8599	481.3048	2.9555	481.5142	2.9682	481.7270	2.8730
481.0973	2.8240	481.3098	3.0614	481.5193	2.9715	481.7321	2.8520
481.1024	2.8175	481.3149	3.1572	481.5243	2.9848	481.7371	2.8545
481.1075	2.8525	481.3200	3.1393	481.5294	2.9821	481.7422	2.8923
481.1125	2.8373	481.3250	3.1885	481.5345	3.0102	481.7473	2.8756
481.1176	2.8591	481.3301	3.1837	481.5395	2.9869	481.7523	2.8114
481.1226	2.8776	481.3318	3.1945	481.5446	2.9897	481.7574	2.7982
481.1277	2.8803	481.3369	3.2375	481.5497	3.0282	481.7625	2.8024
481.1328	2.9307	481.3419	3.1523	481.5547	3.0740	481.7675	2.8153
481.1378	2.9491	481.3470	3.2194	481.5598	3.0846	481.7726	2.7753
481.1429	2.9237	481.3521	3.2185	481.5648	3.0131	481.7777	2.8391
481.1479	2.9675	481.3571	3.2315	481.5699	3.0710	481.7827	2.8142
481.1530	2.9124	481.3622	3.1702	481.5750	3.0356	481.7878	2.8006
481.1581	3.0146	481.3672	3.0637	481.5800	3.0893	481.7929	2.9062
481.1631	2.9006	481.3723	3.1230	481.5851	3.0625	481.7979	2.9081
481.1682	2.9588	481.3774	3.1674	481.5902	3.1133	481.8030	2.8018
481.1732	3.0087	481.3824	3.3037	481.5952	3.0381	481.8081	2.9192
481.1783	3.0102	481.3875	3.2901	481.6003	3.0636	481.8131	2.9189
481.1833	2.9216	481.3926	3.3709	481.6054	3.0347	481.8182	2.9219
481.1884	3.0278	481.3976	3.3433	481.6105	2.9988	481.8233	2.8843
481.1935	3.0352	481.4027	3.3234	481.6155	3.0222	481.8283	2.8865
481.1985	2.9958	481.4078	3.2652	481.6206	2.9796	481.8334	2.9492
481.2036	3.0355	481.4128	3.2194	481.6257	2.9677	481.8385	2.8826
481.2086	3.0595	481.4179	3.2110	481.6307	2.9380	481.8435	2.8767
481.2137	3.0500	481.4230	3.1611	481.6358	2.9187	481.8486	2.9316
481.2188	3.0727	481.4280	3.0973	481.6409	2.9545	481.8537	2.9700
481.2238	2.9036	481.4331	3.1230	481.6459	2.9326	481.8587	2.9254
481.2289	2.9355	481.4382	3.1993	481.6510	2.8821	481.8638	2.9349
481.2339	2.9745	481.4432	3.1774	481.6561	2.8723	481.8689	2.9220
481.2390	2.9844	481.4483	3.0780	481.6611	2.8878	481.8739	2.8860



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
481.8790	2.8873	482.0918	2.6728	482.3047	2.7000	482.5175	2.7460
481.8841	2.8383	482.0969	2.7176	482.3097	2.6683	482.5225	2.6779
481.8892	2.7655	482.1020	2.7107	482.3148	2.5721	482.5276	2.7338
481.8942	2.8594	482.1070	2.7457	482.3199	2.5934	482.5327	2.7215
481.8993	2.9235	482.1121	2.6666	482.3249	2.6337	482.5377	2.7118
481.9044	2.7980	482.1172	2.6555	482.3300	2.5669	482.5428	2.7349
481.9094	2.8148	482.1222	2.6486	482.3351	2.6063	482.5479	2.7205
481.9145	2.8813	482.1273	2.6847	482.3401	2.5978	482.5529	2.6907
481.9196	2.9082	482.1324	2.6649	482.3452	2.6045	482.5580	2.6462
481.9246	2.8775	482.1374	2.6868	482.3503	2.6580	482.5631	2.6228
481.9297	2.8974	482.1425	2.6479	482.3553	2.6695	482.5681	2.6033
481.9348	2.9107	482.1476	2.6900	482.3604	2.6648	482.5732	2.6118
481.9398	2.9772	482.1526	2.7819	482.3654	2.6430	482.5783	2.6551
481.9449	2.9068	482.1577	2.7632	482.3705	2.6922	482.5833	2.6374
481.9500	2.9236	482.1628	2.7172	482.3756	2.6523	482.5884	2.6420
481.9550	2.9553	482.1678	2.7388	482.3806	2.6276	482.5935	2.6087
481.9601	2.9613	482.1729	2.8040	482.3857	2.6472	482.5985	2.7004
481.9651	2.9369	482.1780	2.8601	482.3908	2.6187	482.6036	2.6711
481.9702	2.9228	482.1830	2.8383	482.3958	2.5961	482.6087	2.6169
481.9753	2.9098	482.1881	2.7813	482.4009	2.6114	482.6137	2.6304
481.9803	2.8524	482.1932	2.7593	482.4060	2.5671	482.6188	2.6713
481.9854	2.8740	482.1982	2.7644	482.4110	2.5950	482.6239	2.6640
481.9905	2.7657	482.2033	2.7201	482.4161	2.5695	482.6289	2.6429
481.9955	2.7866	482.2084	2.6932	482.4212	2.6137	482.6340	2.6246
482.0006	2.7603	482.2134	2.6722	482.4263	2.5621	482.6391	2.6151
482.0057	2.7714	482.2185	2.6720	482.4313	2.5811	482.6441	2.6839
482.0107	2.7400	482.2236	2.6652	482.4364	2.5407	482.6492	2.6333
482.0158	2.7922	482.2286	2.7787	482.4415	2.5675	482.6543	2.6143
482.0209	2.7261	482.2337	2.6982	482.4465	2.5406	482.6593	2.6061
482.0260	2.7409	482.2388	2.6621	482.4516	2.5709	482.6644	2.6396
482.0310	2.7918	482.2438	2.6949	482.4567	2.5879	482.6695	2.6330
482.0361	2.7268	482.2489	2.6973	482.4617	2.5622	482.6745	2.6684
482.0412	2.7367	482.2540	2.6967	482.4668	2.6160	482.6796	2.6122
482.0462	2.6986	482.2590	2.7168	482.4719	2.6390	482.6847	2.6113
482.0513	2.7263	482.2641	2.7487	482.4769	2.6884	482.6897	2.5832
482.0564	2.7474	482.2692	2.8038	482.4820	2.6646	482.6948	2.6392
482.0614	2.7239	482.2742	2.8038	482.4871	2.6753	482.6999	2.6529
482.0665	2.7360	482.2793	2.7396	482.4921	2.6598	482.7050	2.6477
482.0716	2.7279	482.2844	2.7813	482.4972	2.7107	482.7100	2.6201
482.0766	2.7557	482.2895	2.7559	482.5023	2.6961	482.7151	2.7101
482.0817	2.7543	482.2945	2.6748	482.5073	2.7045	482.7202	2.6845
482.0868	2.7281	482.2996	2.6861	482.5124	2.7557	482.7252	2.7148



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
482.7303	2.6900	482.9431	2.5179	483.1559	2.3508	483.3687	2.4964
482.7354	2.6715	482.9482	2.5056	483.1610	2.3831	483.3738	2.5401
482.7404	2.7065	482.9532	2.4629	483.1660	2.3878	483.3788	2.5403
482.7455	2.7484	482.9583	2.4829	483.1711	2.3837	483.3839	2.5495
482.7505	2.7604	482.9633	2.4946	483.1762	2.3946	483.3890	2.5789
482.7556	2.7067	482.9684	2.5032	483.1812	2.3813	483.3941	2.5466
482.7607	2.7025	482.9735	2.5116	483.1863	2.4233	483.3991	2.5448
482.7657	2.6814	482.9786	2.5696	483.1914	2.4248	483.4042	2.5109
482.7708	2.6970	482.9836	2.5962	483.1964	2.3674	483.4093	2.5520
482.7759	2.6658	482.9887	2.5741	483.2015	2.3483	483.4143	2.5276
482.7809	2.6619	482.9938	2.5720	483.2066	2.3859	483.4194	2.5582
482.7860	2.6477	482.9988	2.5823	483.2116	2.4339	483.4245	2.4790
482.7911	2.6295	483.0039	2.5863	483.2167	2.3756	483.4295	2.5103
482.7961	2.6542	483.0090	2.5658	483.2218	2.3676	483.4346	2.5142
482.8012	2.6626	483.0140	2.4790	483.2268	2.3835	483.4397	2.5442
482.8063	2.6823	483.0191	2.5002	483.2319	2.3933	483.4447	2.4891
482.8113	2.6516	483.0242	2.4724	483.2370	2.4224	483.4498	2.4772
482.8164	2.7209	483.0292	2.4634	483.2420	2.3922	483.4549	2.4627
482.8215	2.5805	483.0343	2.5130	483.2471	2.4097	483.4599	2.4769
482.8265	2.6077	483.0394	2.5122	483.2522	2.4289	483.4650	2.4716
482.8316	2.5825	483.0444	2.5576	483.2573	2.4435	483.4701	2.5347
482.8367	2.6473	483.0495	2.4880	483.2623	2.4385	483.4751	2.5111
482.8418	2.6666	483.0546	2.5999	483.2674	2.4675	483.4802	2.4445
482.8468	2.5918	483.0596	2.5846	483.2725	2.4869	483.4853	2.4431
482.8519	2.5990	483.0647	2.5883	483.2775	2.4826	483.4903	2.5211
482.8570	2.5767	483.0698	2.5307	483.2826	2.4887	483.4954	2.5089
482.8620	2.5616	483.0748	2.4956	483.2877	2.5504	483.5005	2.5134
482.8671	2.5808	483.0799	2.5302	483.2927	2.5974	483.5055	2.5977
482.8722	2.5424	483.0850	2.5526	483.2978	2.6332	483.5106	2.5652
482.8772	2.5768	483.0900	2.4835	483.3029	2.5864	483.5157	2.5950
482.8823	2.5549	483.0951	2.4524	483.3079	2.6228	483.5208	2.5630
482.8874	2.6366	483.1002	2.4921	483.3130	2.6102	483.5258	2.5836
482.8924	2.5965	483.1052	2.4475	483.3181	2.6050	483.5309	2.5178
482.8975	2.5799	483.1103	2.3863	483.3231	2.6020	483.5359	2.5037
482.9026	2.5532	483.1154	2.3837	483.3282	2.5818	483.5410	2.4945
482.9076	2.5749	483.1205	2.4049	483.3333	2.5574	483.5461	2.4389
482.9127	2.5735	483.1255	2.3982	483.3383	2.5450	483.5511	2.4673
482.9178	2.5193	483.1306	2.3551	483.3434	2.5624	483.5562	2.4610
482.9228	2.4701	483.1357	2.3770	483.3484	2.5314	483.5613	2.4212
482.9279	2.5340	483.1407	2.3940	483.3535	2.5684	483.5663	2.4376
482.9330	2.5491	483.1458	2.3676	483.3586	2.5157	483.5714	2.4667
482.9380	2.4984	483.1508	2.3758	483.3636	2.5595	483.5765	2.4812



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

483.5815	2.4982	483.7944	2.5358	484.0072	2.7117	484.2200	2.7281
483.5866	2.4837	483.7994	2.5609	484.0122	2.6699	484.2251	2.7237
483.5917	2.4934	483.8045	2.5410	484.0173	2.6710	484.2301	2.7324
483.5967	2.4833	483.8096	2.5933	484.0224	2.6449	484.2352	2.7122
483.6018	2.4689	483.8146	2.5352	484.0274	2.6149	484.2403	2.7090
483.6069	2.4781	483.8197	2.5410	484.0325	2.6772	484.2453	2.7283
483.6119	2.4533	483.8248	2.5612	484.0376	2.6397	484.2504	2.6352
483.6170	2.5069	483.8298	2.5360	484.0426	2.6246	484.2555	2.6814
483.6221	2.4532	483.8349	2.5837	484.0477	2.6291	484.2605	2.6719
483.6271	2.4952	483.8400	2.5686	484.0528	2.6584	484.2656	2.6765
483.6322	2.4779	483.8450	2.6191	484.0578	2.7434	484.2707	2.6563
483.6373	2.5433	483.8501	2.6038	484.0629	2.7181	484.2757	2.6280
483.6423	2.4893	483.8552	2.6039	484.0680	2.7616	484.2808	2.6681
483.6474	2.4727	483.8602	2.6208	484.0731	2.7579	484.2859	2.6546
483.6525	2.4963	483.8653	2.5995	484.0781	2.7868	484.2909	2.6817
483.6576	2.4739	483.8704	2.5514	484.0832	2.7639	484.2960	2.6313
483.6626	2.4678	483.8754	2.5565	484.0883	2.7627	484.3011	2.7141
483.6677	2.4173	483.8805	2.5371	484.0933	2.7790	484.3061	2.7035
483.6728	2.4716	483.8856	2.5655	484.0984	2.7812	484.3112	2.7209
483.6778	2.4735	483.8906	2.5860	484.1035	2.7687	484.3163	2.6656
483.6829	2.5171	483.8957	2.5488	484.1085	2.8087	484.3213	2.7066
483.6880	2.4901	483.9008	2.5709	484.1136	2.8512	484.3264	2.6836
483.6930	2.5571	483.9058	2.5843	484.1187	2.8122	484.3315	2.7042
483.6981	2.5260	483.9109	2.5433	484.1237	2.7250	484.3365	2.6899
483.7032	2.5043	483.9160	2.5675	484.1288	2.7082	484.3416	2.7153
483.7082	2.5031	483.9210	2.5978	484.1339	2.7356	484.3467	2.7417
483.7133	2.4272	483.9261	2.5739	484.1389	2.7384	484.3517	2.7123
483.7184	2.4288	483.9312	2.5047	484.1440	2.7318	484.3568	2.7333
483.7234	2.4332	483.9362	2.5119	484.1490	2.7044	484.3619	2.7116
483.7285	2.4849	483.9413	2.4994	484.1541	2.7475	484.3669	2.7417
483.7336	2.4844	483.9464	2.5212	484.1592	2.7021	484.3720	2.7741
483.7386	2.4808	483.9514	2.4647	484.1642	2.7338	484.3771	2.7528
483.7437	2.5438	483.9565	2.5198	484.1693	2.6935	484.3821	2.7556
483.7487	2.5572	483.9616	2.5821	484.1744	2.7234	484.3872	2.7459
483.7538	2.5596	483.9666	2.5661	484.1794	2.7615	484.3923	2.7496
483.7589	2.5929	483.9717	2.6105	484.1845	2.7745	484.3973	2.7492
483.7639	2.5443	483.9768	2.6522	484.1896	2.7628	484.4024	2.7161
483.7690	2.5837	483.9818	2.6453	484.1946	2.8003	484.4075	2.7427
483.7741	2.6248	483.9869	2.6582	484.1997	2.7614	484.4125	2.7238
483.7791	2.6295	483.9920	2.6536	484.2048	2.7541	484.4176	2.6889
483.7842	2.6163	483.9970	2.6608	484.2099	2.7306	484.4227	2.6764
483.7893	2.5677	484.0021	2.6397	484.2149	2.7278	484.4277	2.6915



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
484.4328	2.6940	484.6456	2.7070	484.8584	2.7755	485.0713	2.6799
484.4379	2.6633	484.6507	2.6907	484.8635	2.7517	485.0763	2.7577
484.4429	2.7210	484.6558	2.6786	484.8686	2.8068	485.0814	2.6965
484.4480	2.7134	484.6608	2.7137	484.8736	2.7593	485.0865	2.6773
484.4531	2.7178	484.6659	2.7242	484.8787	2.7351	485.0915	2.7310
484.4581	2.7079	484.6710	2.7365	484.8838	2.7679	485.0966	2.6933
484.4632	2.7814	484.6760	2.6912	484.8889	2.7412	485.1017	2.7326
484.4683	2.7176	484.6811	2.6893	484.8939	2.7931	485.1067	2.7258
484.4733	2.7768	484.6862	2.6904	484.8990	2.7953	485.1118	2.6786
484.4784	2.7476	484.6912	2.7128	484.9041	2.8053	485.1169	2.6717
484.4835	2.7696	484.6963	2.6884	484.9091	2.8441	485.1219	2.6461
484.4886	2.7952	484.7014	2.6381	484.9142	2.8352	485.1270	2.6715
484.4936	2.7421	484.7064	2.6560	484.9193	2.8035	485.1320	2.7277
484.4987	2.7869	484.7115	2.6679	484.9243	2.7216	485.1371	2.7528
484.5038	2.7856	484.7166	2.6014	484.9294	2.7466	485.1422	2.7944
484.5088	2.7882	484.7216	2.6002	484.9344	2.6860	485.1472	2.7467
484.5139	2.7384	484.7267	2.6269	484.9395	2.7109	485.1523	2.8380
484.5190	2.7934	484.7318	2.6694	484.9446	2.7176	485.1574	2.8682
484.5240	2.7685	484.7368	2.6697	484.9496	2.7912	485.1625	2.9236
484.5291	2.7134	484.7419	2.6929	484.9547	2.8081	485.1675	2.9371
484.5341	2.7197	484.7470	2.7347	484.9598	2.8128	485.1726	2.9677
484.5392	2.7463	484.7520	2.7197	484.9648	2.7739	485.1777	2.8963
484.5443	2.7505	484.7571	2.7913	484.9699	2.7645	485.1827	2.8966
484.5493	2.7416	484.7622	2.7425	484.9750	2.7390	485.1878	2.9250
484.5544	2.7273	484.7672	2.7790	484.9800	2.7790	485.1929	2.9354
484.5595	2.7300	484.7723	2.7781	484.9851	2.7332	485.1979	2.9105
484.5645	2.7319	484.7774	2.7923	484.9902	2.7431	485.2030	2.8949
484.5696	2.6815	484.7824	2.8230	484.9952	2.7278	485.2081	2.8410
484.5747	2.7035	484.7875	2.7602	485.0003	2.7451	485.2131	2.8967
484.5797	2.7277	484.7926	2.7008	485.0054	2.7373	485.2182	2.8144
484.5848	2.7405	484.7976	2.6467	485.0104	2.7169	485.2233	2.7295
484.5899	2.7567	484.8027	2.6725	485.0155	2.7414	485.2283	2.7483
484.5949	2.7479	484.8078	2.5904	485.0206	2.7529	485.2334	2.7391
484.6000	2.7771	484.8128	2.6084	485.0257	2.6858	485.2385	2.7142
484.6051	2.7167	484.8179	2.6234	485.0307	2.6793	485.2435	2.6949
484.6102	2.7590	484.8230	2.6523	485.0358	2.6391	485.2486	2.7327
484.6152	2.7208	484.8280	2.6221	485.0409	2.6316	485.2537	2.7688
484.6203	2.7480	484.8331	2.6811	485.0459	2.6888	485.2587	2.7720
484.6254	2.7457	484.8382	2.6505	485.0510	2.6485	485.2638	2.8298
484.6304	2.7668	484.8432	2.6849	485.0561	2.6786	485.2689	2.7617
484.6355	2.7632	484.8483	2.7421	485.0611	2.6669	485.2739	2.7399
484.6406	2.7740	484.8534	2.7096	485.0662	2.7214	485.2790	2.7020



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
485.2841	2.8018	485.4969	2.5908	485.7097	2.6601	485.9198	2.8451
485.2891	2.7774	485.5020	2.5780	485.7148	2.7205	485.9249	2.8591
485.2942	2.7639	485.5070	2.6570	485.7198	2.7100	485.9300	2.7941
485.2993	2.8109	485.5121	2.6050	485.7249	2.7680	485.9351	2.7540
485.3044	2.7680	485.5172	2.6175	485.7300	2.7957	485.9401	2.7413
485.3094	2.7808	485.5222	2.6653	485.7350	2.8484	485.9452	2.6759
485.3145	2.7555	485.5273	2.7087	485.7401	2.7591	485.9503	2.6820
485.3195	2.7207	485.5323	2.6492	485.7452	2.8099	485.9554	2.6965
485.3246	2.7139	485.5374	2.6559	485.7502	2.7627	485.9604	2.7152
485.3297	2.7576	485.5425	2.6585	485.7553	2.6674	485.9655	2.7396
485.3347	2.7011	485.5475	2.6967	485.7604	2.6660	485.9706	2.7564
485.3398	2.6703	485.5526	2.6150	485.7654	2.6682	485.9757	2.7889
485.3449	2.6743	485.5577	2.6557	485.7705	2.6212	485.9807	2.7548
485.3499	2.7338	485.5627	2.6371	485.7756	2.5846	485.9858	2.8182
485.3550	2.7589	485.5678	2.6299	485.7806	2.6207	485.9909	2.7861
485.3601	2.7771	485.5729	2.6509	485.7857	2.6789	485.9960	2.7252
485.3651	2.7514	485.5780	2.6337	485.7908	2.6220	486.0011	2.6978
485.3702	2.7545	485.5830	2.6462	485.7958	2.5932	486.0061	2.7400
485.3753	2.7719	485.5881	2.6502	485.8009	2.6639	486.0112	2.8429
485.3803	2.7430	485.5932	2.6541	485.8060	2.6971	486.0163	2.8076
485.3854	2.7184	485.5982	2.5588	485.8110	2.7131	486.0214	2.7990
485.3905	2.7286	485.6033	2.6179	485.8161	2.6870	486.0265	2.8712
485.3955	2.6870	485.6084	2.6264	485.8212	2.6338	486.0315	2.9386
485.4006	2.6823	485.6134	2.5709	485.8262	2.7522	486.0366	2.9199
485.4057	2.6407	485.6185	2.6039	485.8284	2.7556	486.0417	2.9356
485.4107	2.7307	485.6236	2.6103	485.8335	2.7474	486.0468	2.9765
485.4158	2.7683	485.6286	2.6515	485.8386	2.6967	486.0518	2.9495
485.4209	2.7481	485.6337	2.6644	485.8437	2.7775	486.0569	2.9145
485.4259	2.7909	485.6388	2.6577	485.8487	2.7338	486.0620	2.9549
485.4310	2.8049	485.6438	2.6453	485.8538	2.7397	486.0671	2.9012
485.4361	2.7960	485.6489	2.7227	485.8589	2.7055	486.0722	2.9296
485.4412	2.7730	485.6540	2.7824	485.8640	2.7311	486.0772	2.8914
485.4462	2.7024	485.6590	2.8173	485.8690	2.7358	486.0823	2.8534
485.4513	2.7165	485.6641	2.8002	485.8741	2.7294	486.0874	2.8004
485.4564	2.6342	485.6692	2.7595	485.8792	2.7262	486.0925	2.8242
485.4614	2.6746	485.6742	2.8083	485.8843	2.7040	486.0976	2.7833
485.4665	2.6323	485.6793	2.7620	485.8893	2.7557	486.1026	2.7612
485.4716	2.6112	485.6844	2.6959	485.8944	2.8016	486.1077	2.7138
485.4766	2.6352	485.6894	2.7345	485.8995	2.8267	486.1128	2.7421
485.4817	2.6106	485.6945	2.7204	485.9046	2.8386	486.1179	2.8228
485.4868	2.6117	485.6996	2.6910	485.9097	2.8241	486.1230	2.8398
485.4918	2.6224	485.7047	2.7754	485.9147	2.8976	486.1280	2.8283



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
486.1331	2.8282	486.3464	2.9505	486.5597	2.7065	486.7729	2.6994
486.1382	2.8709	486.3515	2.8887	486.5648	2.6402	486.7780	2.7428
486.1432	2.8968	486.3565	2.8882	486.5698	2.7647	486.7831	2.7595
486.1483	2.8634	486.3616	2.9746	486.5749	2.7653	486.7882	2.7725
486.1534	2.8397	486.3667	2.9171	486.5800	2.7496	486.7933	2.7236
486.1585	2.8806	486.3718	2.8799	486.5851	2.7357	486.7983	2.7181
486.1636	2.8535	486.3769	2.7955	486.5901	2.7389	486.8034	2.7533
486.1686	2.9018	486.3819	2.8460	486.5952	2.7303	486.8085	2.7783
486.1737	2.8527	486.3870	2.7953	486.6003	2.7055	486.8136	2.7335
486.1788	2.8962	486.3921	2.7869	486.6054	2.6906	486.8187	2.7229
486.1839	2.8725	486.3972	2.8293	486.6104	2.6738	486.8237	2.6766
486.1890	2.8750	486.4023	2.8252	486.6155	2.6539	486.8288	2.6973
486.1940	2.8513	486.4073	2.8578	486.6206	2.6797	486.8339	2.6969
486.1991	2.8819	486.4124	2.8785	486.6257	2.6844	486.8390	2.6848
486.2042	2.9337	486.4175	2.8718	486.6308	2.6595	486.8441	2.7062
486.2093	2.9087	486.4225	2.8522	486.6358	2.6190	486.8491	2.7800
486.2144	2.9017	486.4276	2.9027	486.6409	2.6445	486.8542	2.7253
486.2194	2.8997	486.4327	2.9248	486.6460	2.7008	486.8593	2.7396
486.2245	2.9797	486.4378	2.9384	486.6511	2.6400	486.8643	2.7901
486.2296	2.9810	486.4429	2.9526	486.6562	2.6569	486.8694	2.7502
486.2347	2.9566	486.4479	2.9067	486.6612	2.6186	486.8745	2.6892
486.2397	2.9644	486.4530	2.9215	486.6663	2.7275	486.8796	2.7067
486.2448	2.9145	486.4581	2.9423	486.6714	2.6824	486.8847	2.7345
486.2499	2.9006	486.4632	2.8882	486.6765	2.7095	486.8897	2.7329
486.2550	2.8535	486.4683	2.8907	486.6815	2.6890	486.8948	2.7350
486.2601	2.8705	486.4733	2.8485	486.6866	2.7553	486.8999	2.7504
486.2651	2.8584	486.4784	2.8269	486.6917	2.7690	486.9050	2.7386
486.2702	2.9520	486.4835	2.8319	486.6968	2.7900	486.9101	2.7599
486.2753	2.9459	486.4886	2.7426	486.7019	2.8190	486.9151	2.7014
486.2804	3.0021	486.4937	2.7600	486.7069	2.7860	486.9202	2.7510
486.2855	2.9732	486.4987	2.7001	486.7120	2.7705	486.9253	2.7807
486.2905	3.0409	486.5038	2.7096	486.7171	2.7598	486.9304	2.8030
486.2956	2.9982	486.5089	2.7217	486.7222	2.7651	486.9355	2.7807
486.3007	2.9889	486.5140	2.7283	486.7273	2.7455	486.9405	2.8333
486.3058	2.8958	486.5190	2.7175	486.7323	2.7260	486.9456	2.7763
486.3109	2.9152	486.5241	2.7266	486.7374	2.7113	486.9507	2.8126
486.3159	2.8824	486.5292	2.7721	486.7425	2.6785	486.9558	2.7679
486.3210	2.9293	486.5343	2.6824	486.7476	2.5880	486.9608	2.7972
486.3261	2.8881	486.5394	2.7140	486.7527	2.6585	486.9659	2.8058
486.3311	2.9047	486.5444	2.7636	486.7577	2.6734	486.9710	2.8602
486.3362	2.9285	486.5495	2.6776	486.7628	2.6596	486.9761	2.8087
486.3413	2.9811	486.5546	2.7053	486.7679	2.6951	486.9812	2.8002



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
486.9862	2.8255	487.1995	2.6723	487.4128	2.7073	487.6261	2.7999
486.9913	2.7903	487.2046	2.6248	487.4179	2.7294	487.6312	2.7902
486.9964	2.8215	487.2097	2.6307	487.4230	2.6583	487.6363	2.7958
487.0015	2.7978	487.2148	2.6260	487.4280	2.7394	487.6413	2.8065
487.0066	2.7810	487.2198	2.6300	487.4331	2.6385	487.6464	2.7644
487.0116	2.7842	487.2249	2.6045	487.4382	2.6878	487.6515	2.7701
487.0167	2.7865	487.2300	2.5553	487.4433	2.6308	487.6566	2.7852
487.0218	2.8188	487.2351	2.6262	487.4484	2.6579	487.6617	2.7442
487.0269	2.7976	487.2401	2.6068	487.4534	2.6782	487.6667	2.8024
487.0320	2.8510	487.2452	2.7095	487.4585	2.6705	487.6718	2.7665
487.0370	2.7917	487.2503	2.6437	487.4636	2.7257	487.6769	2.7521
487.0421	2.8041	487.2554	2.6373	487.4687	2.7275	487.6819	2.7618
487.0472	2.7589	487.2605	2.6347	487.4738	2.7279	487.6870	2.6760
487.0522	2.7621	487.2655	2.6434	487.4788	2.7199	487.6921	2.6667
487.0573	2.7370	487.2706	2.5715	487.4839	2.6560	487.6972	2.7052
487.0624	2.7071	487.2757	2.5959	487.4890	2.6391	487.7023	2.6515
487.0675	2.7085	487.2808	2.5977	487.4940	2.6712	487.7073	2.7011
487.0726	2.7969	487.2859	2.6000	487.4991	2.6527	487.7124	2.6589
487.0776	2.7261	487.2909	2.6069	487.5042	2.6548	487.7175	2.6227
487.0827	2.6941	487.2960	2.6208	487.5093	2.6841	487.7226	2.5990
487.0878	2.6589	487.3011	2.5952	487.5144	2.6618	487.7277	2.6545
487.0929	2.6888	487.3062	2.5931	487.5194	2.7076	487.7327	2.5974
487.0980	2.7019	487.3112	2.5660	487.5245	2.7046	487.7378	2.6438
487.1030	2.6617	487.3163	2.6221	487.5296	2.7782	487.7429	2.5964
487.1081	2.6656	487.3214	2.7084	487.5347	2.7537	487.7480	2.6440
487.1132	2.7030	487.3265	2.6830	487.5398	2.7983	487.7531	2.7273
487.1183	2.6857	487.3315	2.6724	487.5448	2.7507	487.7581	2.7484
487.1234	2.6986	487.3366	2.7221	487.5499	2.7281	487.7632	2.7159
487.1284	2.6413	487.3417	2.7194	487.5550	2.7339	487.7683	2.7580
487.1335	2.6654	487.3468	2.7037	487.5601	2.7302	487.7733	2.7790
487.1386	2.5431	487.3519	2.6969	487.5652	2.7054	487.7784	2.7428
487.1437	2.5847	487.3569	2.7395	487.5702	2.6376	487.7835	2.8175
487.1487	2.5963	487.3620	2.7327	487.5753	2.6716	487.7886	2.7826
487.1538	2.5434	487.3671	2.7260	487.5804	2.6400	487.7937	2.7625
487.1589	2.5169	487.3722	2.7074	487.5855	2.6538	487.7987	2.7360
487.1640	2.6044	487.3773	2.6922	487.5905	2.6203	487.8038	2.7570
487.1691	2.5709	487.3823	2.7010	487.5956	2.6672	487.8089	2.7215
487.1741	2.6627	487.3874	2.6847	487.6007	2.7956	487.8140	2.7399
487.1792	2.6721	487.3925	2.6637	487.6058	2.7024	487.8191	2.7055
487.1843	2.6875	487.3976	2.6921	487.6109	2.7786	487.8241	2.7099
487.1894	2.6186	487.4026	2.6440	487.6159	2.7668	487.8292	2.7390
487.1945	2.6643	487.4077	2.7294	487.6210	2.8356	487.8343	2.7053



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
487.8394	2.7292	488.0527	2.8128	488.2659	2.8062	488.4792	3.3023
487.8445	2.6753	488.0577	2.7820	488.2710	2.8166	488.4843	3.2856
487.8495	2.6987	488.0628	2.7573	488.2761	2.8396	488.4894	3.2424
487.8546	2.7726	488.0679	2.8322	488.2812	2.8507	488.4945	3.2875
487.8597	2.7481	488.0730	2.7879	488.2863	2.8154	488.4995	3.2627
487.8648	2.7828	488.0781	2.7939	488.2914	2.8942	488.5046	3.2268
487.8698	2.8115	488.0831	2.8929	488.2964	2.8984	488.5097	3.1818
487.8749	2.7662	488.0882	2.8776	488.3015	2.8874	488.5148	3.2531
487.8800	2.7686	488.0933	2.7830	488.3066	2.9105	488.5199	3.2796
487.8851	2.8720	488.0984	2.8131	488.3116	3.0080	488.5249	3.4017
487.8902	2.7679	488.1035	2.8747	488.3167	3.0204	488.5300	3.2533
487.8952	2.7364	488.1085	2.8603	488.3218	2.9470	488.5351	3.3623
487.9003	2.6445	488.1136	2.8599	488.3269	2.9787	488.5402	3.2996
487.9054	2.7600	488.1187	2.9097	488.3320	2.9978	488.5453	3.3613
487.9105	2.7036	488.1237	2.9427	488.3370	2.9589	488.5503	3.4093
487.9156	2.6826	488.1288	2.8815	488.3421	2.9590	488.5554	3.3824
487.9206	2.7339	488.1339	2.8755	488.3472	2.9692	488.5605	3.2538
487.9257	2.7383	488.1390	2.8363	488.3523	2.9531	488.5656	3.2888
487.9308	2.7596	488.1441	2.8729	488.3574	2.9493	488.5706	3.3758
487.9359	2.7020	488.1491	2.8763	488.3624	2.9690	488.5757	3.2283
487.9409	2.6915	488.1542	2.8750	488.3675	2.9940	488.5808	3.1804
487.9460	2.7411	488.1593	2.9331	488.3726	3.0662	488.5859	3.1156
487.9511	2.6820	488.1644	2.9348	488.3777	3.1166	488.5909	3.1871
487.9562	2.7032	488.1695	2.8860	488.3828	3.1885	488.5960	3.2521
487.9612	2.7910	488.1745	2.8862	488.3878	3.1625	488.6011	3.2383
487.9663	2.7568	488.1796	2.9104	488.3929	3.2040	488.6062	3.2414
487.9714	2.8222	488.1847	2.8399	488.3980	3.2875	488.6113	3.2450
487.9765	2.7448	488.1898	2.7816	488.4030	3.3143	488.6163	3.2447
487.9816	2.7904	488.1949	2.8368	488.4081	3.2380	488.6214	3.2514
487.9866	2.7435	488.1999	2.8815	488.4132	3.2444	488.6265	3.2030
487.9917	2.7849	488.2050	2.8952	488.4183	3.2956	488.6316	3.2692
487.9968	2.7641	488.2101	2.8776	488.4234	3.3115	488.6367	3.2608
488.0019	2.7487	488.2151	2.9431	488.4284	3.2755	488.6417	3.2540
488.0070	2.7174	488.2202	3.0389	488.4335	3.2951	488.6468	3.3644
488.0120	2.6668	488.2253	3.0877	488.4386	3.2719	488.6519	3.3203
488.0171	2.7754	488.2304	3.1080	488.4437	3.3213	488.6570	3.3515
488.0222	2.8061	488.2355	3.0341	488.4488	3.2984	488.6620	3.3375
488.0273	2.7105	488.2405	3.0110	488.4538	3.2321	488.6671	3.4219
488.0323	2.7586	488.2456	2.9596	488.4589	3.2796	488.6722	3.4367
488.0374	2.7587	488.2507	2.9278	488.4640	3.3277	488.6773	3.4287
488.0425	2.7509	488.2558	2.8517	488.4691	3.2962	488.6823	3.3815
488.0476	2.7543	488.2609	2.7713	488.4742	3.3516	488.6874	3.3929



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
488.6925	3.4662	488.9058	3.8168	489.1191	3.3206	489.3324	3.1474
488.6976	3.4682	488.9109	3.7170	489.1241	3.2975	489.3374	3.1593
488.7027	3.4351	488.9160	3.7692	489.1292	3.2753	489.3425	3.1588
488.7077	3.4241	488.9210	3.6563	489.1343	3.3143	489.3476	3.2313
488.7128	3.3852	488.9261	3.5401	489.1394	3.2561	489.3527	3.1185
488.7179	3.4097	488.9312	3.6190	489.1445	3.1910	489.3578	3.1727
488.7230	3.4017	488.9363	3.5952	489.1495	3.1710	489.3628	3.1973
488.7281	3.3514	488.9413	3.5271	489.1546	3.1835	489.3679	3.2553
488.7332	3.4081	488.9464	3.4331	489.1597	3.1558	489.3730	3.2503
488.7382	3.4515	488.9515	3.5042	489.1648	3.1690	489.3781	3.1746
488.7433	3.5094	488.9566	3.5269	489.1699	3.2240	489.3831	3.2503
488.7484	3.4958	488.9617	3.4751	489.1750	3.2880	489.3882	3.2672
488.7534	3.4679	488.9667	3.5534	489.1800	3.2218	489.3933	3.2868
488.7585	3.5155	488.9718	3.5526	489.1851	3.2208	489.3984	3.2953
488.7636	3.3638	488.9769	3.5357	489.1902	3.2345	489.4035	3.2838
488.7687	3.3268	488.9820	3.5625	489.1953	3.1750	489.4085	3.2364
488.7738	3.3373	488.9871	3.6010	489.2003	3.1868	489.4136	3.1769
488.7788	3.2554	488.9921	3.5853	489.2054	3.1642	489.4187	3.2241
488.7839	3.1881	488.9972	3.4996	489.2105	3.1942	489.4238	3.2939
488.7890	3.3044	489.0023	3.5281	489.2156	3.1451	489.4289	3.2755
488.7941	3.2781	489.0074	3.5321	489.2206	3.1555	489.4339	3.2212
488.7992	3.3192	489.0125	3.4842	489.2257	3.1912	489.4390	3.2774
488.8042	3.2008	489.0175	3.5862	489.2308	3.1978	489.4441	3.2569
488.8093	3.3580	489.0226	3.4280	489.2359	3.1793	489.4492	3.1450
488.8144	3.2868	489.0277	3.5449	489.2410	3.1134	489.4543	3.1585
488.8195	3.2908	489.0327	3.5415	489.2460	3.1326	489.4593	3.1134
488.8246	3.2745	489.0378	3.5648	489.2511	3.1804	489.4644	3.1462
488.8296	3.3207	489.0429	3.4433	489.2562	3.1768	489.4695	3.0817
488.8347	3.3438	489.0480	3.4028	489.2613	3.1644	489.4745	3.1060
488.8398	3.3936	489.0531	3.4179	489.2664	3.1522	489.4796	3.0918
488.8448	3.4765	489.0581	3.3823	489.2714	3.1536	489.4847	3.1084
488.8499	3.4166	489.0632	3.2992	489.2765	3.0748	489.4898	3.1134
488.8550	3.4529	489.0683	3.2351	489.2816	3.1467	489.4949	3.1247
488.8601	3.3957	489.0734	3.1098	489.2867	3.0926	489.4999	3.0956
488.8652	3.4418	489.0785	3.1427	489.2917	3.1866	489.5050	3.2223
488.8702	3.4204	489.0835	3.1297	489.2968	3.1595	489.5101	3.3285
488.8753	3.5048	489.0886	3.1992	489.3019	3.2046	489.5152	3.3243
488.8804	3.6349	489.0937	3.2636	489.3070	3.1674	489.5203	3.3897
488.8855	3.5653	489.0988	3.2892	489.3120	3.1795	489.5253	3.3393
488.8906	3.5857	489.1039	3.2737	489.3171	3.2422	489.5304	3.3211
488.8956	3.6073	489.1089	3.3002	489.3222	3.2159	489.5355	3.4432
488.9007	3.7053	489.1140	3.3608	489.3273	3.1435	489.5406	3.4074



Table 5. High Resolution Absorption Cross Section from 470–490 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
489.5457	3.3040	489.7031	3.1020	489.8605	3.0451	490.0128	3.1256
489.5507	3.3071	489.7082	3.0583	489.8656	3.1465	490.0179	3.1553
489.5558	3.2836	489.7132	3.0041	489.8707	3.1049	490.0230	3.1025
489.5609	3.3365	489.7183	3.0591	489.8757	3.0305	490.0281	3.0010
489.5659	3.3002	489.7234	3.0000	489.8808	3.0118	490.0332	2.9738
489.5710	3.2449	489.7285	3.0838	489.8859	3.0599	490.0382	3.0244
489.5761	3.1949	489.7336	3.0184	489.8910	3.0583	490.0433	2.9259
489.5812	3.1107	489.7386	3.0321	489.8961	3.0597	490.0484	3.0433
489.5863	3.0370	489.7437	3.0465	489.9011	3.0823	490.0535	2.9950
489.5914	3.0705	489.7488	3.0770	489.9062	3.0772	490.0586	3.0423
489.5964	3.0512	489.7538	3.0330	489.9113	3.0579	490.0636	2.9569
489.6015	3.0533	489.7589	3.1328	489.9164	3.0273	490.0687	3.0734
489.6066	3.1180	489.7640	3.1054	489.9214	3.0054	490.0738	3.1601
489.6117	3.1152	489.7691	3.0945	489.9265	3.0933	490.0789	2.9750
489.6168	3.1136	489.7742	3.1545	489.9316	3.0382	490.0840	2.9937
489.6218	3.1266	489.7792	3.2242	489.9367	2.9958	490.0890	3.0072
489.6269	3.1109	489.7843	3.0872	489.9417	3.0468	490.0941	3.1305
489.6320	3.0869	489.7894	3.1663	489.9468	3.0492	490.0992	3.0703
489.6371	3.0951	489.7945	3.1931	489.9519	2.9971	490.1042	3.1114
489.6422	3.1362	489.7996	3.2264	489.9570	2.9665	490.1093	3.0353
489.6472	3.1495	489.8046	3.1303	489.9621	3.0274	490.1144	3.0450
489.6523	3.0847	489.8097	3.1327	489.9671	2.9412	490.1195	3.0922
489.6574	3.1292	489.8148	3.0603	489.9722	2.9607	490.1246	3.0065
489.6624	3.1640	489.8199	3.0962	489.9773	3.0756	490.1296	3.0264
489.6675	3.1785	489.8250	3.1197	489.9824	3.0911	490.1347	3.0007
489.6726	3.1271	489.8300	3.0964	489.9875	3.0363	490.1398	2.8745
489.6777	3.0582	489.8351	3.0885	489.9925	3.0938	490.1449	2.9410
489.6828	3.1456	489.8402	3.1028	489.9976	3.1345	490.1500	2.9873
489.6878	3.0862	489.8453	3.1480	490.0027	3.1863	490.1550	2.9224
489.6929	3.0481	489.8503	3.0877	490.0078	3.1112	490.1601	2.9572
489.6980	3.0792	489.8554	3.1233				



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
469.9878	3.5843	470.2014	3.6002	470.4151	3.5898	470.6287	3.6430
469.9929	3.5236	470.2065	3.6515	470.4202	3.6916	470.6338	3.6844
469.9980	3.5720	470.2116	3.6009	470.4253	3.6738	470.6389	3.6640
470.0031	3.5306	470.2167	3.5374	470.4304	3.6605	470.6440	3.6621
470.0081	3.4944	470.2218	3.5193	470.4354	3.6751	470.6491	3.6945
470.0132	3.5478	470.2269	3.5314	470.4405	3.7430	470.6542	3.6663
470.0183	3.6034	470.2320	3.4643	470.4456	3.6853	470.6592	3.6251
470.0234	3.5566	470.2371	3.5291	470.4507	3.7692	470.6643	3.6483
470.0285	3.6118	470.2422	3.4747	470.4558	3.7297	470.6694	3.5563
470.0336	3.6238	470.2472	3.5616	470.4609	3.8497	470.6745	3.5797
470.0387	3.6101	470.2523	3.5635	470.4660	3.7488	470.6796	3.5890
470.0438	3.6747	470.2574	3.5902	470.4710	3.8873	470.6847	3.5737
470.0489	3.6738	470.2625	3.5172	470.4761	3.7376	470.6898	3.5144
470.0540	3.6766	470.2676	3.4981	470.4812	3.7439	470.6949	3.5405
470.0590	3.6980	470.2727	3.4921	470.4863	3.7487	470.7000	3.4689
470.0641	3.5735	470.2777	3.4932	470.4914	3.7871	470.7050	3.5145
470.0692	3.6438	470.2828	3.5101	470.4965	3.7833	470.7101	3.4757
470.0743	3.6230	470.2879	3.4796	470.5016	3.6508	470.7152	3.5108
470.0794	3.5782	470.2930	3.5183	470.5067	3.6951	470.7203	3.6679
470.0845	3.5876	470.2981	3.4704	470.5117	3.7392	470.7254	3.6453
470.0895	3.5517	470.3032	3.4173	470.5168	3.6897	470.7305	3.6599
470.0946	3.6133	470.3083	3.4728	470.5219	3.6994	470.7356	2.2002
470.0997	3.5193	470.3134	3.5437	470.5270	3.8157	470.7406	2.1027
470.1048	3.6191	470.3185	3.4067	470.5321	3.7504	470.7457	3.4946
470.1099	3.5277	470.3235	3.4786	470.5372	3.7449	470.7508	3.5432
470.1150	3.5158	470.3286	3.4914	470.5423	3.6704	470.7559	3.6363
470.1201	3.5824	470.3337	3.4343	470.5473	3.6179	470.7610	3.6660
470.1252	3.5653	470.3388	3.4815	470.5524	3.6165	470.7661	3.6561
470.1302	3.5775	470.3439	3.5278	470.5575	3.6618	470.7711	3.6624
470.1353	3.5685	470.3490	3.5061	470.5626	3.6255	470.7762	3.6187
470.1404	3.5313	470.3541	3.4763	470.5677	3.6574	470.7813	3.6497
470.1455	3.5295	470.3591	3.5119	470.5728	3.6371	470.7864	3.6639
470.1506	3.6375	470.3642	3.4579	470.5779	3.6054	470.7915	3.6878
470.1557	3.6000	470.3693	3.4405	470.5829	3.6585	470.7966	3.6267
470.1608	3.6554	470.3744	3.5488	470.5880	3.6590	470.8017	3.6704
470.1658	3.6024	470.3795	3.5832	470.5931	3.5754	470.8068	3.2788
470.1709	3.5787	470.3846	3.4598	470.5982	3.6600	470.8119	2.9216
470.1760	3.6192	470.3896	3.5627	470.6033	3.6068	470.8169	3.5522
470.1811	3.6041	470.3947	3.5779	470.6084	3.6149	470.8220	3.5810
470.1862	3.6024	470.3998	3.5767	470.6135	3.5683	470.8271	3.5557
470.1913	3.5930	470.4049	3.5380	470.6186	3.5939	470.8322	3.5078
470.1964	3.5816	470.4100	3.5962	470.6237	3.6198	470.8373	3.4843



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
470.8424	3.6112	471.0560	3.5333	471.2697	3.4134	471.4833	3.5680
470.8475	3.5684	471.0611	3.4836	471.2747	3.3509	471.4884	3.4739
470.8525	3.5918	471.0662	3.4614	471.2798	3.3646	471.4935	3.4243
470.8576	3.5685	471.0713	3.5754	471.2849	3.3362	471.4986	3.4908
470.8627	3.5484	471.0764	3.4936	471.2900	3.3596	471.5036	3.4710
470.8678	3.6294	471.0815	3.5157	471.2951	3.3418	471.5087	3.4389
470.8729	3.6129	471.0865	3.5626	471.3002	3.3407	471.5138	3.4182
470.8780	3.5292	471.0916	3.4842	471.3053	3.3431	471.5189	3.4175
470.8831	3.5041	471.0967	3.5104	471.3103	3.3588	471.5240	3.4849
470.8882	3.5380	471.1018	3.4351	471.3154	3.3205	471.5291	3.5048
470.8932	3.5222	471.1069	3.5371	471.3205	3.3606	471.5341	3.5380
470.8983	3.5051	471.1120	3.5423	471.3256	3.4306	471.5392	3.4881
470.9034	3.5015	471.1171	3.5368	471.3307	3.4320	471.5443	3.5039
470.9085	3.5078	471.1221	3.5503	471.3358	3.4477	471.5494	3.4666
470.9136	3.5183	471.1272	3.5714	471.3409	3.4530	471.5545	3.4778
470.9187	3.6261	471.1323	3.5008	471.3459	3.4492	471.5596	3.4845
470.9238	3.7002	471.1374	3.5922	471.3510	3.4177	471.5647	3.4571
470.9288	3.5989	471.1425	3.5787	471.3561	3.4468	471.5698	3.4752
470.9339	3.6090	471.1476	3.5617	471.3612	3.4526	471.5749	3.4486
470.9390	3.6005	471.1526	3.5334	471.3663	3.3880	471.5799	3.3975
470.9441	3.5997	471.1577	3.5675	471.3714	3.4179	471.5850	3.4655
470.9492	3.5350	471.1628	3.4738	471.3765	3.4107	471.5901	3.4620
470.9543	3.5151	471.1679	3.5397	471.3816	3.3747	471.5952	3.4097
470.9594	3.5438	471.1730	3.6001	471.3867	3.3736	471.6003	3.4048
470.9644	3.4441	471.1781	3.5377	471.3917	3.3536	471.6054	3.4075
470.9695	3.3909	471.1832	3.4892	471.3968	3.3876	471.6105	3.4522
470.9746	3.4788	471.1883	3.4718	471.4019	3.3432	471.6155	3.3923
470.9797	3.4188	471.1934	3.4558	471.4070	3.4012	471.6206	3.3758
470.9848	3.3422	471.1984	3.4859	471.4121	3.3967	471.6257	3.3986
470.9899	3.4383	471.2035	3.4543	471.4172	3.4487	471.6308	3.4820
470.9950	3.3561	471.2086	3.5350	471.4222	3.4226	471.6359	3.3631
471.0001	3.3908	471.2137	3.3955	471.4273	3.4734	471.6410	3.4527
471.0052	3.5218	471.2188	3.4938	471.4324	3.4854	471.6461	3.4353
471.0102	3.4292	471.2239	3.4881	471.4375	3.4465	471.6512	3.5275
471.0153	3.4638	471.2290	3.3988	471.4426	3.4143	471.6563	3.4920
471.0204	3.4543	471.2340	3.4956	471.4477	3.4681	471.6613	3.4837
471.0255	3.5120	471.2391	3.3997	471.4528	3.4911	471.6664	3.4889
471.0306	3.4748	471.2442	3.4072	471.4579	3.4843	471.6715	3.5070
471.0357	3.5758	471.2493	3.3958	471.4630	3.5491	471.6766	3.4767
471.0407	3.5304	471.2544	3.3898	471.4680	3.4824	471.6817	3.5328
471.0458	3.4747	471.2595	3.3697	471.4731	3.5275	471.6868	3.5125
471.0509	3.5055	471.2646	3.3181	471.4782	3.4973	471.6918	3.5675



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
471.6969	3.5714	471.9106	3.6926	472.1242	3.5155	472.3396	3.5096
471.7020	3.6130	471.9156	3.6637	472.1293	3.5027	472.3447	3.4923
471.7071	3.6220	471.9207	3.6427	472.1344	3.6397	472.3497	3.5403
471.7122	3.6668	471.9258	3.6228	472.1395	3.5308	472.3548	3.5200
471.7173	3.6449	471.9309	3.6914	472.1446	3.5809	472.3598	3.4221
471.7224	3.6097	471.9360	3.7082	472.1497	3.5149	472.3649	3.4458
471.7274	3.6246	471.9411	3.7954	472.1547	3.5176	472.3699	3.4351
471.7325	3.6548	471.9462	3.7361	472.1598	3.5079	472.3749	3.4572
471.7376	3.6153	471.9513	3.7183	472.1649	3.5532	472.3800	3.3984
471.7427	3.5451	471.9564	3.6884	472.1700	3.4902	472.3850	3.5240
471.7478	3.5798	471.9614	3.6752	472.1751	3.5039	472.3901	3.4510
471.7529	3.5245	471.9665	3.6793	472.1802	3.6115	472.3951	3.5388
471.7580	3.5130	471.9716	3.6192	472.1852	3.5370	472.4002	3.4537
471.7631	3.5795	471.9767	3.6198	472.1903	3.5803	472.4052	3.5512
471.7682	3.5502	471.9818	3.6478	472.1954	3.5455	472.4103	3.5210
471.7732	3.5805	471.9869	3.6476	472.2005	3.4258	472.4153	3.5108
471.7783	3.5031	471.9919	3.6793	472.2056	3.5033	472.4204	3.4711
471.7834	3.5784	471.9970	3.6571	472.2107	3.4306	472.4254	3.3771
471.7885	3.6167	472.0021	3.6948	472.2158	3.3965	472.4305	3.4271
471.7936	3.5834	472.0072	3.6878	472.2209	3.5045	472.4355	3.3821
471.7987	3.5802	472.0123	3.6558	472.2260	3.5216	472.4406	3.4100
471.8037	3.6314	472.0174	3.5587	472.2310	3.4436	472.4456	3.3981
471.8088	3.4920	472.0225	3.6427	472.2361	3.4405	472.4507	3.4253
471.8139	3.5872	472.0276	3.6333	472.2412	3.5481	472.4557	3.4099
471.8190	3.6310	472.0327	3.6111	472.2463	3.5874	472.4608	3.4363
471.8241	3.5544	472.0378	3.6370	472.2514	3.4764	472.4658	3.4095
471.8292	3.6266	472.0428	3.5175	472.2565	3.4765	472.4709	3.4666
471.8343	3.6022	472.0479	3.5687	472.2616	3.5110	472.4759	3.3969
471.8394	3.5792	472.0530	3.5715	472.2666	3.4309	472.4810	3.4184
471.8445	3.6099	472.0581	3.6249	472.2717	3.5369	472.4860	3.3673
471.8495	3.6715	472.0632	3.6093	472.2768	3.3713	472.4911	3.4504
471.8546	3.6074	472.0683	3.5788	472.2819	3.4705	472.4961	3.3864
471.8597	3.6101	472.0733	3.6148	472.2870	3.4430	472.5012	3.4204
471.8648	3.5823	472.0784	3.5379	472.2921	3.4661	472.5062	3.4072
471.8699	3.6095	472.0835	3.5389	472.2971	3.4870	472.5113	3.3600
471.8750	3.5930	472.0886	3.4887	472.3022	3.4863	472.5163	3.2904
471.8801	3.5997	472.0937	3.4882	472.3093	3.5169	472.5214	3.3932
471.8851	3.6408	472.0988	3.5487	472.3144	3.5461	472.5264	3.3289
471.8902	3.6085	472.1039	3.5119	472.3194	3.5457	472.5315	3.3300
471.8953	3.6660	472.1089	3.4915	472.3245	3.5329	472.5365	3.3775
471.9004	3.7121	472.1140	3.5253	472.3295	3.5493	472.5416	3.3438
471.9055	3.7127	472.1191	3.4718	472.3346	3.5560	472.5466	3.3924



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
472.5517	3.3018	472.7637	3.4094	472.9758	3.3983	473.1878	3.5725
472.5567	3.4026	472.7688	3.3785	472.9808	3.3724	473.1929	3.5342
472.5618	3.3518	472.7738	3.3602	472.9859	3.3798	473.1979	3.6915
472.5668	3.4040	472.7789	3.4024	472.9909	3.3660	473.2030	3.5830
472.5719	3.3231	472.7839	3.3901	472.9960	3.4657	473.2080	3.6231
472.5769	3.3582	472.7890	3.3681	473.0010	3.4005	473.2131	3.5986
472.5820	3.4272	472.7940	3.4508	473.0061	3.3857	473.2181	3.6189
472.5870	3.3460	472.7991	3.4535	473.0111	3.4376	473.2232	3.5545
472.5921	3.3279	472.8041	3.4203	473.0162	3.4707	473.2282	3.6673
472.5971	3.3444	472.8092	3.4147	473.0212	3.5218	473.2333	3.6185
472.6021	3.2907	472.8142	3.4489	473.0263	3.5555	473.2383	3.6435
472.6072	3.2964	472.8192	3.3754	473.0313	3.6215	473.2434	3.5872
472.6122	3.2358	472.8243	3.4017	473.0364	3.5645	473.2484	3.5949
472.6173	3.4091	472.8293	3.3973	473.0414	3.5409	473.2535	3.6142
472.6223	3.3330	472.8344	3.3973	473.0464	3.5463	473.2585	3.5910
472.6274	3.3493	472.8394	3.4235	473.0515	3.5638	473.2636	3.6245
472.6324	3.3392	472.8445	3.4450	473.0565	3.5167	473.2686	3.5141
472.6375	3.3445	472.8495	3.4421	473.0616	3.5561	473.2737	3.4858
472.6425	3.3581	472.8546	3.5243	473.0667	3.5069	473.2787	3.6165
472.6476	3.3111	472.8596	3.5322	473.0717	3.5452	473.2838	3.5145
472.6526	3.3500	472.8647	3.4837	473.0768	3.5000	473.2888	3.5808
472.6577	3.3604	472.8698	3.4878	473.0818	3.4946	473.2939	3.7136
472.6628	3.3597	472.8748	3.5012	473.0869	3.4356	473.2989	3.6607
472.6678	3.3353	472.8799	3.5003	473.0919	3.4639	473.3040	3.7345
472.6729	3.3429	472.8849	3.4961	473.0970	3.4869	473.3090	3.7449
472.6779	3.3525	472.8900	3.4891	473.1020	3.4510	473.3141	3.8037
472.6830	3.3046	472.8950	3.5519	473.1071	3.4033	473.3191	3.7881
472.6880	3.4240	472.9001	3.5901	473.1121	3.4058	473.3242	3.7777
472.6930	3.3385	472.9051	3.5394	473.1172	3.4189	473.3292	3.7968
472.6981	3.2758	472.9101	3.6185	473.1222	3.4303	473.3343	3.9095
472.7031	3.3410	472.9152	3.5009	473.1273	3.3996	473.3393	3.8694
472.7082	3.2797	472.9202	3.4821	473.1323	3.3811	473.3444	3.9006
472.7132	3.3398	472.9253	3.4661	473.1373	3.4854	473.3494	3.9689
472.7183	3.3131	472.9303	3.4485	473.1424	3.5023	473.3544	3.8971
472.7233	3.3033	472.9354	3.4858	473.1474	3.4594	473.3595	3.8793
472.7284	3.3227	472.9404	3.4440	473.1525	3.4933	473.3645	3.8808
472.7334	3.3996	472.9455	3.3741	473.1575	3.5508	473.3696	3.8136
472.7385	3.3424	472.9505	3.3741	473.1626	3.5034	473.3746	3.7784
472.7435	3.3991	472.9556	3.4229	473.1676	3.5598	473.3797	3.6680
472.7486	3.4318	472.9606	3.3875	473.1727	3.5133	473.3847	3.6630
472.7536	3.3676	472.9657	3.4200	473.1777	3.5686	473.3898	3.7469
472.7587	3.3679	472.9707	3.4794	473.1828	3.5488	473.3948	3.6871



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
473.3999	3.7179	473.6119	3.7773	473.8240	4.1538	474.0360	4.3917
473.4049	3.7647	473.6170	3.8265	473.8290	4.1495	474.0411	4.3474
473.4100	3.7089	473.6220	3.8478	473.8341	4.1712	474.0461	4.4521
473.4150	3.6839	473.6271	3.8614	473.8391	4.1039	474.0512	4.2606
473.4201	3.6898	473.6321	3.8319	473.8442	4.1664	474.0562	4.2818
473.4251	3.6805	473.6372	3.9651	473.8492	4.1230	474.0613	4.1851
473.4302	3.6613	473.6422	3.9187	473.8543	4.1322	474.0663	4.2398
473.4352	3.6111	473.6473	3.8555	473.8593	4.0929	474.0714	4.1585
473.4403	3.7253	473.6523	3.9654	473.8644	4.1351	474.0764	4.1418
473.4453	3.7553	473.6574	3.9609	473.8694	4.2561	474.0815	4.2301
473.4504	3.7075	473.6624	4.0416	473.8745	4.2246	474.0865	4.2249
473.4554	3.7164	473.6675	4.0496	473.8795	4.2573	474.0916	4.2392
473.4605	3.7088	473.6725	4.0391	473.8846	4.3126	474.0966	4.1885
473.4655	3.8121	473.6776	4.1675	473.8896	4.2743	474.1017	4.3415
473.4706	3.7828	473.6826	4.2132	473.8947	4.2913	474.1068	4.1610
473.4756	3.8546	473.6877	4.2053	473.8997	4.3181	474.1118	4.0912
473.4807	3.8621	473.6927	4.2993	473.9048	4.3220	474.1168	4.1541
473.4857	3.9634	473.6978	4.2845	473.9098	4.3027	474.1219	4.2195
473.4908	3.8712	473.7028	4.2816	473.9149	4.3749	474.1269	4.2143
473.4958	3.7942	473.7079	4.2471	473.9199	4.3136	474.1320	4.2063
473.5009	3.8734	473.7129	4.2356	473.9250	4.4382	474.1370	4.2643
473.5059	3.8069	473.7180	4.1014	473.9300	4.4810	474.1421	4.5022
473.5110	3.8010	473.7230	4.1095	473.9351	4.5309	474.1471	4.4130
473.5160	3.8287	473.7281	4.0690	473.9401	4.5506	474.1522	4.4503
473.5211	3.8827	473.7331	4.0446	473.9452	4.5470	474.1572	4.3648
473.5261	3.8497	473.7382	4.0624	473.9502	4.4978	474.1623	4.4289
473.5312	3.8447	473.7432	4.0166	473.9553	4.4392	474.1673	4.4587
473.5362	3.8662	473.7483	4.0791	473.9603	4.3172	474.1724	4.3343
473.5413	3.9766	473.7533	4.1529	473.9654	4.3742	474.1774	4.3094
473.5463	3.9114	473.7584	4.1255	473.9704	4.4675	474.1825	4.4192
473.5514	3.9326	473.7634	4.1653	473.9755	4.4022	474.1875	4.3407
473.5564	3.8614	473.7685	4.1601	473.9805	4.4587	474.1926	4.4300
473.5615	3.8417	473.7735	4.1981	473.9856	4.4178	474.1976	4.3607
473.5665	3.8759	473.7786	4.2204	473.9906	4.5114	474.2027	4.3072
473.5716	3.8400	473.7836	4.2608	473.9957	4.5204	474.2077	4.3545
473.5766	3.8203	473.7887	4.2156	474.0007	4.3705	474.2128	4.3402
473.5816	3.8656	473.7937	4.1907	474.0058	4.4134	474.2178	4.4524
473.5867	3.9223	473.7987	4.1742	474.0108	4.4362	474.2229	4.4978
473.5917	3.8943	473.8038	4.1450	474.0159	4.4618	474.2279	4.4432
473.5968	3.8960	473.8088	4.1495	474.0209	4.4536	474.2330	4.4213
473.6018	3.8079	473.8139	4.1353	474.0259	4.4072	474.2380	4.5013
473.6069	3.7929	473.8189	4.1698	474.0310	4.4093	474.2431	4.3379



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
474.2481	4.3503	474.4602	4.0602	474.6722	3.9826	474.8843	4.1937
474.2531	4.2985	474.4652	4.0029	474.6773	3.9281	474.8893	4.1686
474.2582	4.3466	474.4702	4.0445	474.6823	3.9114	474.8944	4.0721
474.2632	4.2660	474.4753	4.0974	474.6874	4.0375	474.8994	4.0244
474.2683	4.2582	474.4803	4.1264	474.6924	4.0393	474.9045	4.1155
474.2733	4.1674	474.4854	4.1281	474.6974	4.1282	474.9095	3.9452
474.2784	4.2946	474.4904	4.1389	474.7025	4.3280	474.9146	3.9122
474.2834	4.2420	474.4955	4.1824	474.7076	4.3134	474.9196	4.0753
474.2885	4.2912	474.5005	4.2409	474.7126	4.4088	474.9247	4.0273
474.2935	4.3112	474.5056	4.1685	474.7177	4.3977	474.9297	4.0809
474.2986	4.3162	474.5107	4.0642	474.7227	4.5344	474.9348	4.0884
474.3036	4.2833	474.5157	4.1231	474.7278	4.2504	474.9398	4.1433
474.3087	4.3241	474.5208	4.0335	474.7328	4.1959	474.9449	4.0863
474.3138	4.2831	474.5258	4.1121	474.7379	4.0732	474.9499	4.2201
474.3188	4.2375	474.5309	4.1044	474.7429	4.1249	474.9550	4.1389
474.3239	4.2070	474.5359	4.1664	474.7480	4.0961	474.9600	4.1383
474.3289	4.1686	474.5410	3.9979	474.7530	4.1156	474.9651	4.0804
474.3339	4.2841	474.5460	4.1932	474.7581	4.2735	474.9701	4.2392
474.3390	4.2071	474.5511	4.1928	474.7631	4.2449	474.9752	4.1732
474.3440	4.2852	474.5561	4.0891	474.7682	4.4585	474.9802	4.1738
474.3491	4.1698	474.5611	4.1137	474.7732	4.4092	474.9853	4.2587
474.3541	4.2395	474.5662	4.2436	474.7783	4.4247	474.9903	4.1601
474.3592	4.1895	474.5712	4.1546	474.7833	4.4166	474.9954	4.2289
474.3642	4.3014	474.5763	4.2643	474.7883	4.3225	475.0004	4.2011
474.3693	4.2261	474.5813	4.4056	474.7934	4.3368	475.0054	4.2374
474.3743	4.1793	474.5864	4.4052	474.7984	4.2470	475.0105	4.2315
474.3794	4.2434	474.5914	4.3170	474.8035	4.3042	475.0155	4.2615
474.3844	4.2363	474.5965	4.4341	474.8085	4.3576	475.0206	4.1856
474.3895	4.2186	474.6015	4.4675	474.8136	4.4181	475.0256	4.1150
474.3945	4.1490	474.6066	4.3331	474.8186	4.3112	475.0307	4.2323
474.3996	4.1984	474.6116	4.3211	474.8237	4.3693	475.0357	4.2195
474.4046	4.1394	474.6167	4.3256	474.8287	4.3981	475.0408	4.1803
474.4097	4.1623	474.6217	4.3094	474.8338	4.2816	475.0458	4.1319
474.4147	4.1961	474.6268	4.3046	474.8388	4.3346	475.0509	4.1681
474.4198	4.1210	474.6318	4.2722	474.8439	4.2265	475.0559	4.1402
474.4248	4.0721	474.6369	4.1558	474.8489	4.1368	475.0610	4.0942
474.4299	4.0929	474.6419	4.1957	474.8540	4.2191	475.0660	4.1030
474.4349	4.1384	474.6470	4.0368	474.8590	4.2015	475.0711	4.0644
474.4400	4.0957	474.6520	4.0244	474.8641	4.1579	475.0761	3.9746
474.4450	3.9717	474.6571	3.9319	474.8691	4.2200	475.0812	4.0517
474.4501	4.0712	474.6621	3.9709	474.8742	4.1688	475.0862	3.9477
474.4551	4.0817	474.6672	3.9690	474.8792	4.1739	475.0913	3.9387



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
475.0963	3.9374	475.3084	3.8718	475.5204	3.9932	475.7325	3.4999
475.1014	4.0157	475.3134	3.9631	475.5255	3.8776	475.7375	3.5429
475.1064	4.0879	475.3185	3.8320	475.5305	3.8171	475.7426	3.5270
475.1115	4.0216	475.3235	3.9172	475.5356	3.7797	475.7477	3.4777
475.1165	3.9962	475.3286	3.9360	475.5406	3.8676	475.7527	3.4527
475.1216	3.9986	475.3336	3.8534	475.5457	3.8493	475.7578	3.5167
475.1266	4.0148	475.3387	3.9595	475.5507	3.7471	475.7628	3.4796
475.1317	3.8994	475.3437	3.9066	475.5558	3.8185	475.7678	3.4616
475.1367	3.9253	475.3488	3.9009	475.5608	3.8581	475.7729	3.4221
475.1418	3.8407	475.3538	3.9381	475.5659	3.8898	475.7779	3.4049
475.1468	4.0072	475.3589	3.9526	475.5709	3.8641	475.7830	3.4595
475.1519	3.9748	475.3639	3.9191	475.5760	3.9294	475.7880	3.4979
475.1569	3.9043	475.3690	3.9318	475.5810	3.9303	475.7931	3.5233
475.1620	3.9268	475.3740	4.0086	475.5861	3.8818	475.7981	3.5543
475.1670	3.9204	475.3791	3.8385	475.5911	3.9639	475.8032	3.5450
475.1721	3.9438	475.3841	3.9556	475.5962	3.9887	475.8082	3.5079
475.1771	3.9204	475.3892	3.9248	475.6012	3.9834	475.8133	3.5035
475.1822	3.9743	475.3942	3.9208	475.6063	3.9718	475.8183	3.5795
475.1872	4.0467	475.3993	3.8607	475.6113	3.9481	475.8234	3.5216
475.1923	3.9149	475.4043	4.0200	475.6164	3.9410	475.8284	3.5999
475.1973	4.0782	475.4094	3.9493	475.6214	3.9093	475.8335	3.5141
475.2024	4.0074	475.4144	3.8048	475.6265	3.9246	475.8385	3.6511
475.2074	4.0964	475.4195	3.9516	475.6315	3.8740	475.8436	3.5849
475.2125	4.0525	475.4245	3.8710	475.6366	3.8409	475.8486	3.6047
475.2175	4.0784	475.4296	3.9412	475.6416	3.8320	475.8537	3.5876
475.2226	3.9696	475.4346	3.8909	475.6467	3.6624	475.8587	3.6184
475.2276	3.9044	475.4397	4.0031	475.6517	3.6626	475.8638	3.6026
475.2326	3.9273	475.4447	3.9640	475.6568	3.6514	475.8688	3.5923
475.2377	3.9420	475.4497	3.9339	475.6618	3.6127	475.8739	3.6024
475.2427	3.9947	475.4548	4.0089	475.6669	3.5475	475.8789	3.5873
475.2478	4.0439	475.4598	4.1224	475.6719	3.5653	475.8840	3.6025
475.2528	4.0356	475.4649	4.0114	475.6769	3.6038	475.8890	3.6097
475.2579	4.0723	475.4699	4.0760	475.6820	3.6424	475.8940	3.6889
475.2629	4.0941	475.4750	3.9637	475.6870	3.5970	475.8991	3.6673
475.2680	4.1113	475.4800	4.0096	475.6921	3.7237	475.9041	3.6694
475.2730	4.0403	475.4851	3.9052	475.6971	3.8145	475.9092	3.5892
475.2781	4.0135	475.4901	4.0111	475.7022	3.6226	475.9142	3.6182
475.2831	3.9341	475.4952	4.0407	475.7072	3.6156	475.9193	3.5934
475.2882	3.8782	475.5002	4.0184	475.7123	3.5761	475.9243	3.5932
475.2932	3.9007	475.5053	3.9667	475.7173	3.6043	475.9294	3.6988
475.2983	3.9427	475.5103	3.9397	475.7224	3.6434	475.9344	3.7089
475.3033	3.7848	475.5154	3.9121	475.7274	3.5136	475.9395	3.7090



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
475.9445	3.6627	476.1566	3.4806	476.3687	3.5892	476.5807	3.3957
475.9496	3.6938	476.1617	3.4604	476.3737	3.5981	476.5858	3.3135
475.9547	3.7473	476.1667	3.4549	476.3788	3.5428	476.5908	3.4548
475.9597	3.6166	476.1718	3.4599	476.3838	3.5342	476.5959	3.3982
475.9648	3.6616	476.1768	3.5782	476.3889	3.5679	476.6009	3.3978
475.9698	3.6893	476.1819	3.5273	476.3939	3.5021	476.6060	3.4349
475.9749	3.6313	476.1869	3.5075	476.3990	3.5895	476.6110	3.4534
475.9799	3.6423	476.1920	3.6016	476.4040	3.5296	476.6161	3.4095
475.9849	3.7482	476.1970	3.5127	476.4091	3.6397	476.6211	3.4418
475.9900	3.7189	476.2021	3.6404	476.4141	3.5992	476.6262	3.5054
475.9950	3.6357	476.2071	3.6840	476.4192	3.6122	476.6312	3.4799
476.0001	3.7329	476.2121	3.6448	476.4242	3.5690	476.6363	3.4953
476.0051	3.7835	476.2172	3.7073	476.4292	3.6004	476.6413	3.5125
476.0102	3.7792	476.2222	3.6083	476.4343	3.5974	476.6464	3.5291
476.0152	3.7043	476.2273	3.6715	476.4393	3.6280	476.6514	3.5656
476.0203	3.6729	476.2323	3.7330	476.4444	3.6457	476.6564	3.6088
476.0253	3.7458	476.2374	3.6608	476.4494	3.7082	476.6615	3.6089
476.0304	3.6631	476.2424	3.6356	476.4545	3.7048	476.6665	3.6587
476.0354	3.7072	476.2475	3.6811	476.4595	3.6980	476.6716	3.7560
476.0405	3.6248	476.2525	3.6277	476.4646	3.7183	476.6766	3.7018
476.0455	3.6363	476.2576	3.7461	476.4696	3.5675	476.6817	3.6464
476.0506	3.5986	476.2626	3.6576	476.4747	3.5410	476.6867	3.6400
476.0556	3.6395	476.2677	3.7464	476.4797	3.5011	476.6918	3.6077
476.0607	3.6196	476.2727	3.6945	476.4848	3.5031	476.6968	3.5563
476.0657	3.5527	476.2778	3.7424	476.4898	3.5724	476.7019	3.5908
476.0708	3.5632	476.2828	3.7576	476.4949	3.5403	476.7069	3.6178
476.0758	3.5991	476.2879	3.7023	476.4999	3.5125	476.7120	3.6620
476.0809	3.5775	476.2929	3.7030	476.5050	3.5208	476.7170	3.6662
476.0859	3.5927	476.2980	3.6540	476.5100	3.5559	476.7221	3.7496
476.0910	3.6346	476.3030	3.6068	476.5151	3.5775	476.7271	3.6882
476.0960	3.5861	476.3081	3.5576	476.5201	3.5724	476.7322	3.6988
476.1011	3.6533	476.3131	3.5374	476.5252	3.5995	476.7372	3.7296
476.1061	3.5692	476.3182	3.5669	476.5302	3.5947	476.7423	3.6093
476.1112	3.5481	476.3232	3.6018	476.5353	3.4775	476.7473	3.6068
476.1162	3.5090	476.3283	3.5557	476.5403	3.4249	476.7524	3.6056
476.1212	3.5540	476.3333	3.5455	476.5454	3.3940	476.7574	3.6358
476.1263	3.5044	476.3384	3.5517	476.5504	3.3465	476.7625	3.4273
476.1313	3.4954	476.3434	3.5824	476.5555	3.3259	476.7675	3.4699
476.1364	3.5059	476.3484	3.6106	476.5605	3.3630	476.7726	3.4221
476.1414	3.4336	476.3535	3.6194	476.5656	3.3786	476.7776	3.3971
476.1465	3.4327	476.3586	3.6775	476.5706	3.3852	476.7827	3.3453
476.1516	3.3819	476.3636	3.6386	476.5757	3.3727	476.7877	3.3303



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
476.7928	3.3558	477.0050	3.5000	477.2174	3.4262	477.4298	3.4478
476.7978	3.3642	477.0100	3.5125	477.2224	3.4258	477.4348	3.4873
476.8029	3.4218	477.0151	3.4992	477.2275	3.3799	477.4399	3.4747
476.8078	3.4132	477.0202	3.5036	477.2326	3.4717	477.4449	3.4706
476.8128	3.4090	477.0252	3.4535	477.2376	3.5055	477.4500	3.4304
476.8179	3.4750	477.0303	3.4649	477.2427	3.4302	477.4551	3.4008
476.8229	3.5301	477.0353	3.3613	477.2477	3.4323	477.4601	3.4199
476.8280	3.4719	477.0404	3.4737	477.2528	3.4466	477.4652	3.4535
476.8330	3.4716	477.0454	3.4649	477.2578	3.4150	477.4702	3.4321
476.8381	3.4669	477.0505	3.4056	477.2629	3.4598	477.4753	3.3792
476.8432	3.5218	477.0556	3.4115	477.2679	3.3333	477.4803	3.3516
476.8482	3.4381	477.0606	3.4784	477.2730	3.3686	477.4854	3.4016
476.8533	3.4093	477.0657	3.4462	477.2781	3.4109	477.4905	3.4229
476.8583	3.4615	477.0707	3.4172	477.2831	3.3801	477.4955	3.4060
476.8634	3.5190	477.0758	3.4377	477.2882	3.3996	477.5006	3.4116
476.8684	3.4966	477.0808	3.4497	477.2932	3.3875	477.5056	3.4252
476.8735	3.5625	477.0859	3.3560	477.2983	3.3907	477.5107	3.4547
476.8786	3.5588	477.0910	3.4510	477.3033	3.4176	477.5157	3.4615
476.8836	3.5246	477.0960	3.3824	477.3084	3.3952	477.5208	3.4802
476.8887	3.5120	477.1011	3.4190	477.3135	3.3808	477.5259	3.4087
476.8937	3.4497	477.1061	3.4112	477.3185	3.3405	477.5309	3.4595
476.8988	3.4382	477.1112	3.3993	477.3236	3.4100	477.5360	3.5206
476.9038	3.4704	477.1162	3.3934	477.3286	3.3847	477.5410	3.4833
476.9089	3.4329	477.1213	3.4042	477.3337	3.3519	477.5461	3.4372
476.9140	3.4121	477.1264	3.3676	477.3387	3.4142	477.5511	3.3772
476.9190	3.4351	477.1314	3.3620	477.3438	3.5048	477.5562	3.4001
476.9241	3.4988	477.1365	3.3716	477.3489	3.4633	477.5613	3.4159
476.9291	3.4418	477.1415	3.3792	477.3539	3.5289	477.5663	3.5080
476.9342	3.4578	477.1466	3.3195	477.3590	3.5036	477.5714	3.4590
476.9392	3.5246	477.1516	3.3653	477.3640	3.4534	477.5764	3.4598
476.9443	3.6022	477.1567	3.3494	477.3691	3.4631	477.5815	3.4781
476.9494	3.5362	477.1618	3.3535	477.3741	3.4687	477.5865	3.4216
476.9544	3.5638	477.1668	3.3499	477.3792	3.4515	477.5916	3.4701
476.9595	3.5547	477.1719	3.3126	477.3843	3.4798	477.5967	3.3381
476.9645	3.6118	477.1769	3.3328	477.3893	3.4500	477.6017	3.3592
476.9696	3.4476	477.1820	3.3405	477.3944	3.5498	477.6068	3.3432
476.9746	3.5177	477.1870	3.4640	477.3994	3.4815	477.6118	3.3464
476.9797	3.5353	477.1921	3.3845	477.4045	3.4769	477.6169	3.3724
476.9848	3.4644	477.1972	3.3766	477.4095	3.4871	477.6219	3.3459
476.9898	3.4094	477.2022	3.3836	477.4146	3.4802	477.6270	3.4160
476.9949	3.4200	477.2073	3.3708	477.4197	3.4513	477.6321	3.4694
476.9999	3.4641	477.2123	3.3399	477.4247	3.4838	477.6371	3.5554



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
477.6422	3.5413	477.8546	3.4539	478.0670	3.4910	478.2794	3.2634
477.6472	3.5327	477.8596	3.5317	478.0721	3.5508	478.2845	3.2887
477.6523	3.5137	477.8647	3.4850	478.0771	3.6124	478.2895	3.2486
477.6573	3.5560	477.8698	3.4758	478.0822	3.5178	478.2946	3.2821
477.6624	3.5841	477.8748	3.3943	478.0872	3.5245	478.2996	3.3322
477.6675	3.4887	477.8799	3.3832	478.0923	3.5742	478.3047	3.3241
477.6725	3.4912	477.8849	3.3226	478.0973	3.5208	478.3097	3.3226
477.6776	3.4766	477.8900	3.2880	478.1024	3.5362	478.3148	3.2753
477.6826	3.5173	477.8951	3.3181	478.1075	3.5239	478.3199	3.3577
477.6877	3.4153	477.9001	3.3621	478.1125	3.5000	478.3249	3.3090
477.6927	3.3920	477.9052	3.3413	478.1176	3.4674	478.3300	3.2774
477.6978	3.4022	477.9102	3.3270	478.1226	3.4764	478.3350	3.2509
477.7029	3.3707	477.9153	3.3491	478.1277	3.3889	478.3401	3.2788
477.7079	3.4487	477.9203	3.3657	478.1327	3.3687	478.3451	3.2500
477.7130	3.4332	477.9254	3.3147	478.1378	3.2859	478.3502	3.1789
477.7180	3.4495	477.9305	3.3317	478.1429	3.3376	478.3553	3.1391
477.7231	3.4075	477.9355	3.4309	478.1479	3.3276	478.3603	3.1807
477.7281	3.4028	477.9406	3.3472	478.1530	3.3086	478.3654	3.1361
477.7332	3.3584	477.9456	3.3608	478.1580	3.3116	478.3704	3.1298
477.7383	3.3745	477.9507	3.3136	478.1631	3.2894	478.3755	3.1564
477.7433	3.2950	477.9557	3.3810	478.1681	3.3769	478.3805	3.2028
477.7484	3.3894	477.9608	3.2722	478.1732	3.3529	478.3856	3.1883
477.7534	3.4384	477.9659	3.3118	478.1783	3.3073	478.3907	3.2478
477.7585	3.4387	477.9709	3.3487	478.1833	3.3887	478.3957	3.2524
477.7635	3.4328	477.9760	3.3638	478.1884	3.3979	478.4008	3.3868
477.7686	3.5130	477.9810	3.3520	478.1934	3.3559	478.4058	3.2951
477.7737	3.6145	477.9861	3.3398	478.1985	3.3501	478.4109	3.3368
477.7787	3.4717	477.9911	3.4018	478.2035	3.4055	478.4159	3.3093
477.7838	3.4690	477.9962	3.4451	478.2086	3.3316	478.4210	3.3444
477.7888	3.4123	478.0013	3.4574	478.2137	3.3082	478.4261	3.3324
477.7939	3.4470	478.0063	3.4475	478.2187	3.3620	478.4311	3.2777
477.7990	3.3835	478.0114	3.4745	478.2238	3.3951	478.4362	3.2851
477.8040	3.4183	478.0164	3.5000	478.2288	3.3258	478.4412	3.2545
477.8091	3.4362	478.0215	3.4990	478.2339	3.3141	478.4463	3.2130
477.8141	3.4340	478.0265	3.5028	478.2389	3.3262	478.4513	3.1686
477.8192	3.4493	478.0316	3.5129	478.2440	3.3259	478.4564	3.1931
477.8242	3.4304	478.0367	3.4980	478.2491	3.2837	478.4615	3.2031
477.8293	3.4311	478.0417	3.4820	478.2541	3.3317	478.4665	3.1710
477.8344	3.4122	478.0468	3.4887	478.2592	3.2917	478.4716	3.2165
477.8394	3.5006	478.0518	3.5412	478.2642	3.2484	478.4766	3.1712
477.8445	3.3962	478.0569	3.5582	478.2693	3.2915	478.4817	3.2581
477.8495	3.4897	478.0619	3.5023	478.2743	3.3377	478.4867	3.2234



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
478.4918	3.1748	478.7042	3.2021	478.9166	3.3621	479.1290	3.3289
478.4969	3.2686	478.7093	3.2517	478.9217	3.3800	479.1341	3.3248
478.5019	3.2035	478.7143	3.3081	478.9267	3.3828	479.1391	3.3774
478.5070	3.2255	478.7194	3.2951	478.9318	3.3679	479.1442	3.3762
478.5120	3.2325	478.7244	3.3435	478.9368	3.4571	479.1492	3.3917
478.5171	3.2138	478.7295	3.3650	478.9419	3.3816	479.1543	3.3956
478.5221	3.1338	478.7345	3.3286	478.9469	3.3538	479.1593	3.3931
478.5272	3.2173	478.7396	3.3449	478.9520	3.3918	479.1644	3.3570
478.5323	3.1961	478.7447	3.3769	478.9571	3.3668	479.1695	3.4140
478.5373	3.3243	478.7497	3.2756	478.9621	3.3024	479.1745	3.5081
478.5424	3.3542	478.7548	3.3715	478.9672	3.2626	479.1796	3.5224
478.5474	3.4348	478.7598	3.3744	478.9722	3.2695	479.1846	3.5168
478.5525	3.4061	478.7649	3.4194	478.9773	3.2906	479.1897	3.5279
478.5575	3.4794	478.7699	3.4071	478.9823	3.2060	479.1947	3.4551
478.5626	3.4181	478.7750	3.3813	478.9874	3.2341	479.1998	3.4533
478.5677	3.3695	478.7801	3.4275	478.9925	3.2750	479.2049	3.5050
478.5727	3.3775	478.7851	3.3920	478.9975	3.3052	479.2099	3.5150
478.5778	3.3855	478.7902	3.3714	479.0026	3.2916	479.2150	3.5219
478.5828	3.3834	478.7952	3.3342	479.0076	3.3038	479.2200	3.4349
478.5879	3.3995	478.8003	3.3892	479.0127	3.4055	479.2251	3.5000
478.5929	3.3716	478.8053	3.3804	479.0177	3.4094	479.2301	3.5074
478.5980	3.4113	478.8104	3.4577	479.0228	3.4139	479.2352	3.4891
478.6031	3.3627	478.8155	3.3933	479.0279	3.4467	479.2403	3.3982
478.6081	3.3359	478.8205	3.3150	479.0329	3.4568	479.2453	3.4081
478.6132	3.2618	478.8256	3.4504	479.0380	3.4520	479.2504	3.4114
478.6182	3.3329	478.8306	3.4751	479.0430	3.4169	479.2554	3.4456
478.6233	3.2512	478.8357	3.4356	479.0481	3.4820	479.2605	3.3904
478.6283	3.2188	478.8407	3.3774	479.0531	3.4533	479.2655	3.4597
478.6334	3.2604	478.8458	3.3931	479.0582	3.4333	479.2706	3.4527
478.6385	3.1784	478.8509	3.3986	479.0633	3.4473	479.2757	3.4389
478.6435	3.1797	478.8559	3.4607	479.0683	3.4507	479.2807	3.3807
478.6486	3.2300	478.8610	3.3757	479.0734	3.3844	479.2858	3.4079
478.6536	3.2143	478.8660	3.4142	479.0784	3.4640	479.2908	3.4063
478.6587	3.1616	478.8711	3.4396	479.0835	3.4050	479.2959	3.4418
478.6637	3.1632	478.8761	3.4977	479.0885	3.4335	479.3009	3.4082
478.6688	3.1919	478.8812	3.3941	479.0936	3.4549	479.3060	3.4556
478.6739	3.2327	478.8863	3.4161	479.0987	3.4317	479.3111	3.4149
478.6789	3.1992	478.8913	3.3921	479.1037	3.4198	479.3161	3.4650
478.6840	3.1727	478.8964	3.3518	479.1088	3.4396	479.3212	3.3431
478.6890	3.2553	478.9014	3.3241	479.1138	3.4730	479.3262	3.3832
478.6941	3.1704	478.9065	3.3364	479.1189	3.3946	479.3313	3.4688
478.6991	3.2335	478.9115	3.3713	479.1239	3.4143	479.3363	3.3162



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
479.3414	3.4001	479.5538	3.5285	479.7662	3.5632	479.9786	3.6999
479.3465	3.4384	479.5588	3.4921	479.7712	3.6029	479.9836	3.6923
479.3515	3.3522	479.5639	3.5720	479.7763	3.5885	479.9887	3.6584
479.3566	3.4314	479.5690	3.6054	479.7814	3.6661	479.9938	3.6737
479.3616	3.5269	479.5740	3.6273	479.7864	3.6243	479.9988	3.6679
479.3667	3.4444	479.5791	3.6794	479.7915	3.6426	480.0039	3.6535
479.3717	3.4862	479.5841	3.7152	479.7965	3.6472	480.0089	3.6711
479.3768	3.5092	479.5892	3.6160	479.8016	3.7106	480.0140	3.6110
479.3818	3.5566	479.5942	3.6091	479.8066	3.6153	480.0190	3.6212
479.3869	3.5790	479.5993	3.6610	479.8117	3.6326	480.0241	3.6981
479.3920	3.5534	479.6044	3.6799	479.8168	3.6595	480.0292	3.5976
479.3970	3.5950	479.6094	3.6850	479.8218	3.6175	480.0342	3.4719
479.4021	3.6861	479.6145	3.7412	479.8269	3.6420	480.0393	3.6040
479.4071	3.6240	479.6195	3.8036	479.8319	3.6377	480.0443	3.5262
479.4122	3.6008	479.6246	3.7340	479.8370	3.5795	480.0494	3.4709
479.4172	3.6469	479.6296	3.7176	479.8420	3.6404	480.0544	3.5160
479.4223	3.6503	479.6347	3.7272	479.8471	3.5867	480.0595	3.5174
479.4274	3.6215	479.6398	3.7174	479.8522	3.7036	480.0646	3.5374
479.4324	3.5786	479.6448	3.6395	479.8572	3.6977	480.0696	3.5753
479.4375	3.7086	479.6499	3.6054	479.8623	3.6372	480.0747	3.5272
479.4425	3.6899	479.6549	3.5746	479.8673	3.7098	480.0797	3.5110
479.4476	3.6124	479.6600	3.5169	479.8724	3.7205	480.0848	3.5621
479.4526	3.6788	479.6650	3.5961	479.8774	3.6304	480.0898	3.4870
479.4577	3.7256	479.6701	3.5950	479.8825	3.7458	480.0949	3.5498
479.4628	3.6415	479.6752	3.6204	479.8876	3.7342	480.1000	3.5372
479.4678	3.6401	479.6802	3.7117	479.8926	3.7205	480.1050	3.4920
479.4729	3.6611	479.6853	3.7698	479.8977	3.7403	480.1101	3.5282
479.4779	3.6731	479.6903	3.7083	479.9027	3.8052	480.1151	3.5223
479.4830	3.7213	479.6954	3.6946	479.9078	3.8207	480.1202	3.5353
479.4880	3.7393	479.7004	3.6958	479.9128	3.7572	480.1252	3.4512
479.4931	3.7121	479.7055	3.7341	479.9179	3.7168	480.1303	3.4440
479.4982	3.6488	479.7106	3.7119	479.9230	3.6296	480.1354	3.4447
479.5032	3.6919	479.7156	3.7529	479.9280	3.6115	480.1404	3.3825
479.5083	3.5598	479.7207	3.6606	479.9331	3.6653	480.1455	3.3717
479.5133	3.6294	479.7257	3.6130	479.9381	3.6599	480.1505	3.4883
479.5184	3.6665	479.7308	3.6742	479.9432	3.5857	480.1556	3.4644
479.5234	3.6148	479.7358	3.6399	479.9482	3.5645	480.1606	3.4475
479.5285	3.7009	479.7409	3.5268	479.9533	3.6221	480.1657	3.4697
479.5336	3.6344	479.7460	3.6028	479.9584	3.5760	480.1708	3.5224
479.5386	3.7347	479.7510	3.5111	479.9634	3.5961	480.1758	3.4506
479.5437	3.6229	479.7561	3.5775	479.9685	3.5992	480.1809	3.4337
479.5487	3.5856	479.7611	3.5252	479.9735	3.6591	480.1859	3.4408



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
480.1910	3.4197	480.4034	3.2144	480.6158	3.3275	480.8282	3.2629
480.1960	3.3646	480.4084	3.2573	480.6208	3.3707	480.8333	3.2125
480.2011	3.3932	480.4135	3.2675	480.6259	3.3139	480.8383	3.1609
480.2062	3.3962	480.4186	3.3111	480.6310	3.3581	480.8434	3.2544
480.2112	3.3378	480.4236	3.3129	480.6360	3.3967	480.8484	3.2233
480.2163	3.3292	480.4287	3.3749	480.6411	3.3697	480.8535	3.2306
480.2213	3.3430	480.4337	3.4096	480.6461	3.3087	480.8586	3.2136
480.2264	3.3048	480.4388	3.3829	480.6512	3.3339	480.8636	3.1737
480.2314	3.2645	480.4438	3.3845	480.6563	3.2535	480.8687	3.2303
480.2365	3.2910	480.4489	3.3609	480.6613	3.1635	480.8737	3.2656
480.2416	3.3558	480.4540	3.3549	480.6664	3.1244	480.8788	3.2876
480.2466	3.3434	480.4590	3.3557	480.6714	3.1603	480.8838	3.2487
480.2517	3.3465	480.4641	3.4151	480.6765	3.2448	480.8889	3.3474
480.2567	3.3920	480.4691	3.3784	480.6815	3.2261	480.8940	3.3032
480.2618	3.4461	480.4742	3.4360	480.6866	3.2192	480.8990	3.2855
480.2668	3.4134	480.4792	3.4177	480.6917	3.1954	480.9041	3.3023
480.2719	3.3038	480.4843	3.5102	480.6967	3.2207	480.9091	3.2628
480.2770	3.2977	480.4894	3.4872	480.7018	3.2123	480.9142	3.2307
480.2820	3.3732	480.4944	3.4480	480.7068	3.2835	480.9192	3.2253
480.2871	3.3227	480.4995	3.4371	480.7119	3.2514	480.9243	3.2775
480.2921	3.3419	480.5045	3.3851	480.7169	3.1508	480.9294	3.2348
480.2972	3.2805	480.5096	3.4059	480.7220	3.2146	480.9344	3.3165
480.3022	3.2923	480.5146	3.3963	480.7271	3.2181	480.9395	3.2562
480.3073	3.3621	480.5197	3.3524	480.7321	3.1864	480.9445	3.2950
480.3124	3.3483	480.5248	3.3280	480.7372	3.1299	480.9496	3.2326
480.3174	3.3086	480.5298	3.3291	480.7422	3.1825	480.9546	3.2423
480.3225	3.2594	480.5349	3.2304	480.7473	3.1584	480.9597	3.2270
480.3275	3.3077	480.5399	3.3073	480.7523	3.1304	480.9648	3.2553
480.3326	3.3415	480.5450	3.3001	480.7574	3.1235	480.9698	3.1965
480.3376	3.4022	480.5500	3.2796	480.7625	3.1395	480.9749	3.2527
480.3427	3.3748	480.5551	3.2847	480.7675	3.1831	480.9799	3.1931
480.3478	3.4202	480.5602	3.3215	480.7726	3.2306	480.9850	3.2111
480.3528	3.4034	480.5652	3.3982	480.7776	3.2704	480.9900	3.1318
480.3579	3.4054	480.5703	3.3785	480.7827	3.1878	480.9951	3.1469
480.3629	3.3611	480.5753	3.3431	480.7878	3.2227	481.0002	3.1242
480.3680	3.3641	480.5804	3.3812	480.7928	3.2268	481.0052	3.1165
480.3730	3.3692	480.5854	3.3873	480.7979	3.2008	481.0103	3.1072
480.3781	3.2607	480.5905	3.2653	480.8029	3.1895	481.0153	3.1088
480.3832	3.3428	480.5956	3.3481	480.8080	3.1918	481.0204	3.0798
480.3882	3.3176	480.6006	3.3096	480.8130	3.1966	481.0254	3.1907
480.3933	3.3224	480.6057	3.3456	480.8181	3.2046	481.0305	3.1371
480.3983	3.2381	480.6107	3.3246	480.8232	3.2011	481.0356	3.1873



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
481.0406	3.2592	481.2530	3.3730	481.4617	3.4465	481.6743	3.3268
481.0457	3.2258	481.2581	3.3210	481.4667	3.5117	481.6794	3.3874
481.0507	3.2140	481.2631	3.2760	481.4718	3.3990	481.6845	3.4144
481.0558	3.2514	481.2682	3.2854	481.4769	3.4116	481.6895	3.4459
481.0608	3.3220	481.2732	3.3331	481.4819	3.3966	481.6946	3.4236
481.0659	3.2350	481.2783	3.2418	481.4870	3.4804	481.6997	3.4603
481.0710	3.2676	481.2834	3.3007	481.4921	3.4977	481.7047	3.4011
481.0760	3.2540	481.2884	3.3183	481.4971	3.5219	481.7098	3.5277
481.0811	3.2146	481.2935	3.3444	481.5022	3.5145	481.7149	3.4008
481.0861	3.2673	481.2985	3.3924	481.5072	3.5627	481.7199	3.3300
481.0912	3.2877	481.3036	3.4157	481.5123	3.5106	481.7250	3.3800
481.0962	3.2448	481.3086	3.4983	481.5174	3.5452	481.7301	3.2840
481.1013	3.1773	481.3137	3.5070	481.5224	3.5215	481.7351	3.3280
481.1064	3.2940	481.3188	3.5414	481.5275	3.5074	481.7402	3.3737
481.1114	3.2144	481.3238	3.5788	481.5326	3.5008	481.7452	3.3954
481.1165	3.1816	481.3250	3.4694	481.5376	3.5332	481.7503	3.3401
481.1215	3.2244	481.3300	3.5519	481.5427	3.5350	481.7554	3.3740
481.1266	3.3158	481.3351	3.5143	481.5478	3.5234	481.7604	3.3534
481.1316	3.2988	481.3401	3.5679	481.5528	3.5307	481.7655	3.3548
481.1367	3.3262	481.3452	3.5417	481.5579	3.5809	481.7706	3.2869
481.1418	3.2930	481.3503	3.6107	481.5630	3.5511	481.7756	3.2684
481.1468	3.3414	481.3553	3.6089	481.5680	3.6048	481.7807	3.3171
481.1519	3.3345	481.3604	3.6092	481.5731	3.5283	481.7858	3.2998
481.1569	3.3382	481.3654	3.6332	481.5782	3.5840	481.7908	3.3388
481.1620	3.3390	481.3705	3.5153	481.5832	3.5597	481.7959	3.4652
481.1670	3.3447	481.3756	3.5895	481.5883	3.5993	481.8010	3.3166
481.1721	3.3618	481.3806	3.6613	481.5933	3.5487	481.8060	3.3331
481.1772	3.3340	481.3857	3.6845	481.5984	3.6269	481.8111	3.4496
481.1822	3.2889	481.3908	3.7039	481.6035	3.5664	481.8162	3.4974
481.1873	3.4108	481.3958	3.7735	481.6085	3.5174	481.8212	3.3974
481.1923	3.4065	481.4009	3.7166	481.6136	3.4932	481.8263	3.3822
481.1974	3.4014	481.4060	3.6665	481.6187	3.5009	481.8313	3.4490
481.2024	3.3982	481.4110	3.5705	481.6237	3.4881	481.8364	3.4162
481.2075	3.4107	481.4161	3.6668	481.6288	3.4532	481.8415	3.4113
481.2126	3.3992	481.4212	3.5245	481.6339	3.3939	481.8465	3.4632
481.2176	3.4470	481.4262	3.4637	481.6389	3.4579	481.8516	3.4330
481.2227	3.3164	481.4313	3.5652	481.6440	3.4005	481.8567	3.4709
481.2277	3.3191	481.4363	3.6205	481.6490	3.3764	481.8617	3.4398
481.2328	3.3140	481.4414	3.6008	481.6541	3.3044	481.8668	3.4562
481.2378	3.3319	481.4465	3.5782	481.6592	3.3551	481.8719	3.3701
481.2429	3.3798	481.4515	3.4975	481.6642	3.4462	481.8769	3.4231
481.2480	3.3688	481.4566	3.6150	481.6693	3.3800	481.8820	3.4509



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
481.8871	3.2936	482.0997	3.1507	482.3124	3.1684	482.5251	3.2575
481.8921	3.2981	482.1048	3.2235	482.3175	3.0052	482.5302	3.3035
481.8972	3.3501	482.1099	3.1794	482.3225	3.1149	482.5352	3.1989
481.9022	3.3422	482.1149	3.1722	482.3276	3.0820	482.5403	3.1879
481.9073	3.3248	482.1200	3.1221	482.3327	3.1409	482.5453	3.1751
481.9124	3.4233	482.1251	3.1941	482.3377	3.1269	482.5504	3.2138
481.9174	3.4841	482.1301	3.1755	482.3428	3.1583	482.5555	3.1920
481.9225	3.3809	482.1352	3.1907	482.3479	3.1936	482.5605	3.0691
481.9276	3.3619	482.1402	3.1770	482.3529	3.2464	482.5656	3.1614
481.9326	3.3350	482.1453	3.1713	482.3580	3.1690	482.5707	3.1021
481.9377	3.4011	482.1504	3.2871	482.3631	3.2095	482.5757	3.1047
481.9427	3.3980	482.1554	3.2835	482.3681	3.1874	482.5808	3.0659
481.9478	3.4592	482.1605	3.2983	482.3732	3.1231	482.5859	3.1925
481.9529	3.4260	482.1656	3.2434	482.3782	3.1531	482.5909	3.0838
481.9579	3.4220	482.1706	3.3422	482.3833	3.2301	482.5960	3.1859
481.9630	3.4961	482.1757	3.3450	482.3884	3.1771	482.6011	3.1981
481.9681	3.3830	482.1808	3.3639	482.3934	3.1368	482.6061	3.1500
481.9731	3.3736	482.1858	3.2597	482.3985	3.1211	482.6112	3.1621
481.9782	3.3538	482.1909	3.3344	482.4036	3.1703	482.6162	3.1653
481.9832	3.3449	482.1960	3.3281	482.4086	3.1157	482.6213	3.2294
481.9883	3.3543	482.2010	3.2857	482.4137	3.1488	482.6264	3.1977
481.9934	3.3110	482.2061	3.2712	482.4188	3.1159	482.6314	3.1027
481.9984	3.2925	482.2112	3.1966	482.4238	3.0417	482.6365	3.1451
482.0035	3.2857	482.2162	3.2297	482.4289	3.1716	482.6416	3.1676
482.0086	3.2725	482.2213	3.2148	482.4340	3.0854	482.6466	3.1555
482.0136	3.2332	482.2263	3.2506	482.4390	3.0333	482.6517	3.1457
482.0187	3.2651	482.2314	3.2212	482.4441	3.0956	482.6568	3.1392
482.0238	3.1714	482.2365	3.1821	482.4492	3.0596	482.6618	3.1322
482.0288	3.2495	482.2415	3.3153	482.4542	3.0897	482.6669	3.1470
482.0339	3.2945	482.2466	3.2684	482.4593	3.0847	482.6720	3.2126
482.0390	3.1636	482.2516	3.2518	482.4643	3.0520	482.6770	3.1291
482.0440	3.2420	482.2567	3.2622	482.4694	3.1793	482.6821	3.1477
482.0491	3.2556	482.2618	3.2297	482.4745	3.1304	482.6871	3.0814
482.0542	3.2658	482.2668	3.2631	482.4795	3.1677	482.6922	3.2009
482.0592	3.2523	482.2719	3.2930	482.4846	3.1294	482.6973	3.1715
482.0643	3.2220	482.2770	3.2445	482.4897	3.1766	482.7023	3.2420
482.0693	3.2574	482.2820	3.2682	482.4947	3.1592	482.7074	3.1667
482.0744	3.2794	482.2871	3.2941	482.4998	3.1285	482.7125	3.1387
482.0795	3.2817	482.2922	3.3070	482.5049	3.2557	482.7175	3.2757
482.0845	3.2831	482.2972	3.2358	482.5099	3.1619	482.7226	3.2975
482.0896	3.2258	482.3023	3.1880	482.5150	3.2065	482.7277	3.2422
482.0947	3.2324	482.3073	3.1923	482.5201	3.2058	482.7327	3.1610



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
482.7378	3.2302	482.9505	3.1220	483.1631	3.1047	483.3759	3.1346
482.7429	3.2750	482.9555	3.0936	483.1682	3.0333	483.3809	3.1690
482.7479	3.3676	482.9606	3.0654	483.1733	2.9329	483.3860	3.2420
482.7530	3.2107	482.9657	3.0857	483.1783	2.9888	483.3911	3.1047
482.7581	3.2737	482.9707	3.0764	483.1834	2.9748	483.3961	3.1722
482.7631	3.3074	482.9758	3.0361	483.1885	3.0120	483.4012	3.2290
482.7682	3.2327	482.9809	3.1142	483.1935	3.0845	483.4062	3.1366
482.7732	3.2337	482.9859	3.1349	483.1986	2.8961	483.4113	3.1183
482.7783	3.1921	482.9910	3.1436	483.2037	2.9649	483.4164	3.0809
482.7834	3.2409	482.9961	3.1969	483.2087	3.0143	483.4214	3.0653
482.7884	3.2725	483.0011	3.2139	483.2138	2.9457	483.4265	3.0746
482.7935	3.1717	483.0062	3.0628	483.2189	2.9565	483.4315	3.1717
482.7986	3.2754	483.0112	3.0544	483.2239	2.9809	483.4366	3.2122
482.8036	3.2615	483.0163	3.0476	483.2290	2.9803	483.4417	3.1227
482.8087	3.2003	483.0214	3.0393	483.2341	2.9150	483.4467	3.0861
482.8138	3.2281	483.0264	2.9975	483.2391	3.0329	483.4518	3.0717
482.8188	3.1949	483.0315	3.1284	483.2442	3.0110	483.4569	3.0378
482.8239	3.1537	483.0366	2.9803	483.2492	2.9962	483.4619	3.0783
482.8289	3.1581	483.0416	3.0647	483.2543	2.9984	483.4670	3.1600
482.8340	3.2291	483.0467	3.1598	483.2594	2.9745	483.4720	3.0893
482.8391	3.2155	483.0518	3.1518	483.2644	3.1878	483.4771	3.0404
482.8441	3.1508	483.0568	3.1808	483.2695	3.0964	483.4822	3.0770
482.8492	3.1333	483.0619	3.1968	483.2746	3.1545	483.4872	3.0209
482.8542	3.1198	483.0670	3.1846	483.2796	3.1123	483.4923	3.0470
482.8593	3.1037	483.0720	3.1289	483.2847	3.2046	483.4974	3.0572
482.8644	3.1080	483.0771	3.0665	483.2898	3.1981	483.5024	3.1775
482.8694	3.0117	483.0821	3.1066	483.2948	3.1636	483.5075	3.1483
482.8745	2.9914	483.0872	3.0800	483.2999	3.1544	483.5126	3.1777
482.8796	3.0003	483.0923	3.0452	483.3050	3.2153	483.5176	3.2108
482.8846	3.2242	483.0973	3.1398	483.3100	3.2731	483.5227	3.2455
482.8897	3.0771	483.1024	3.0284	483.3151	3.3147	483.5278	3.1247
482.8948	3.0705	483.1075	3.0038	483.3201	3.2476	483.5328	3.1421
482.8998	3.2060	483.1125	2.9539	483.3252	3.2680	483.5379	3.1695
482.9049	3.0130	483.1176	3.0371	483.3303	3.2505	483.5430	3.1289
482.9100	3.1046	483.1227	3.0094	483.3353	3.1614	483.5480	3.0628
482.9150	2.9756	483.1277	2.9778	483.3404	3.1981	483.5531	2.9709
482.9201	2.9576	483.1328	3.0170	483.3455	3.0970	483.5581	3.0831
482.9251	2.9879	483.1378	3.0232	483.3505	3.2040	483.5632	3.0190
482.9302	3.1149	483.1429	2.9743	483.3556	3.1144	483.5683	3.0627
482.9353	3.1365	483.1480	2.9601	483.3607	3.2008	483.5733	3.1417
482.9403	3.0609	483.1530	3.0079	483.3657	3.1095	483.5784	3.0310
482.9454	3.0411	483.1581	2.9827	483.3708	3.1673	483.5835	3.0357



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
483.5885	3.1411	483.8012	3.2764	484.0139	3.1744	484.2266	3.3031
483.5936	3.0939	483.8063	3.2869	484.0190	3.3479	484.2317	3.3998
483.5987	3.1119	483.8113	3.1943	484.0240	3.2571	484.2367	3.3101
483.6037	3.0445	483.8164	3.1997	484.0291	3.2226	484.2418	3.3247
483.6088	3.0453	483.8215	3.2982	484.0341	3.3245	484.2469	3.2966
483.6139	3.1238	483.8265	3.2792	484.0392	3.2231	484.2519	3.1557
483.6189	3.1114	483.8316	3.2519	484.0443	3.3239	484.2570	3.3015
483.6240	3.1417	483.8367	3.2051	484.0493	3.2877	484.2620	3.3222
483.6290	3.0231	483.8417	3.2457	484.0544	3.3138	484.2671	3.3314
483.6341	3.1386	483.8468	3.2669	484.0595	3.3919	484.2722	3.2254
483.6392	3.1611	483.8519	3.2860	484.0645	3.4971	484.2772	3.2185
483.6442	3.1845	483.8569	3.2659	484.0696	3.3765	484.2823	3.2793
483.6493	3.0733	483.8620	3.2893	484.0747	3.4187	484.2874	3.2772
483.6544	2.9534	483.8670	3.1946	484.0797	3.3192	484.2924	3.2221
483.6594	3.1477	483.8721	3.1662	484.0848	3.4667	484.2975	3.3752
483.6645	3.0769	483.8772	3.1391	484.0899	3.3663	484.3026	3.4079
483.6696	3.2322	483.8822	3.2195	484.0949	3.4080	484.3076	3.3800
483.6746	3.0003	483.8873	3.2563	484.1000	3.2998	484.3127	3.3183
483.6797	3.1646	483.8924	3.2492	484.1050	3.3441	484.3177	3.3243
483.6848	3.2332	483.8974	3.1594	484.1101	3.4224	484.3228	3.3269
483.6898	3.1389	483.9025	3.2194	484.1152	3.5121	484.3279	3.3615
483.6949	3.2297	483.9076	3.1589	484.1202	3.3674	484.3329	3.2698
483.7000	3.1099	483.9126	3.2302	484.1253	3.3503	484.3380	3.2928
483.7050	3.2386	483.9177	3.1584	484.1304	3.3060	484.3430	3.4094
483.7101	3.1630	483.9228	3.2385	484.1354	3.3278	484.3481	3.3373
483.7151	3.1653	483.9278	3.1295	484.1405	3.3284	484.3532	3.2866
483.7202	3.0528	483.9329	3.2217	484.1456	3.3588	484.3582	3.3816
483.7253	3.0584	483.9380	3.2470	484.1506	3.3509	484.3633	3.2683
483.7303	3.0748	483.9430	3.1682	484.1557	3.3252	484.3684	3.2995
483.7354	3.1377	483.9481	3.0957	484.1608	3.3921	484.3734	3.3457
483.7404	3.1744	483.9531	3.0616	484.1658	3.3422	484.3785	3.3355
483.7455	3.2483	483.9582	3.2108	484.1709	3.3264	484.3836	3.3352
483.7506	3.2725	483.9633	3.1140	484.1760	3.3749	484.3886	3.3265
483.7556	3.2585	483.9683	3.2207	484.1810	3.3468	484.3937	3.3997
483.7607	3.2286	483.9734	3.3215	484.1861	3.3419	484.3988	3.4022
483.7658	3.2737	483.9785	3.2879	484.1911	3.3890	484.4038	3.3423
483.7708	3.2108	483.9835	3.2295	484.1962	3.3568	484.4089	3.3876
483.7759	3.2808	483.9886	3.2500	484.2013	3.4183	484.4139	3.3255
483.7810	3.2955	483.9937	3.2306	484.2063	3.3377	484.4190	3.3147
483.7860	3.1846	483.9987	3.2487	484.2114	3.4031	484.4241	3.2077
483.7911	3.3276	484.0038	3.3520	484.2165	3.3812	484.4291	3.2392
483.7961	3.2742	484.0089	3.1663	484.2215	3.2522	484.4342	3.2274



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
484.4393	3.3368	484.6519	3.2312	484.8647	3.2452	485.0773	3.2104
484.4443	3.3193	484.6570	3.2600	484.8697	3.3231	485.0824	3.1310
484.4494	3.4126	484.6621	3.2497	484.8748	3.2059	485.0875	3.2000
484.4545	3.3582	484.6671	3.2169	484.8799	3.2839	485.0925	3.1805
484.4595	3.3391	484.6722	3.2563	484.8849	3.3303	485.0976	3.2052
484.4646	3.3320	484.6773	3.3042	484.8900	3.3457	485.1027	3.1177
484.4697	3.3078	484.6823	3.2245	484.8950	3.3082	485.1077	3.2716
484.4747	3.3505	484.6874	3.3016	484.9001	3.4214	485.1128	3.0036
484.4798	3.3149	484.6925	3.2304	484.9052	3.3825	485.1179	3.1782
484.4849	3.3391	484.6975	3.2161	484.9102	3.3361	485.1229	3.1361
484.4899	3.2979	484.7026	3.2030	484.9153	3.3181	485.1280	3.1251
484.4950	3.3002	484.7077	3.2563	484.9203	3.2604	485.1330	3.1909
484.5000	3.4024	484.7127	3.2054	484.9254	3.3347	485.1381	3.2414
484.5051	3.3899	484.7178	3.0780	484.9305	3.2745	485.1432	3.2940
484.5102	3.3138	484.7229	3.2271	484.9355	3.1973	485.1482	3.1045
484.5152	3.3930	484.7279	3.2513	484.9406	3.2769	485.1533	3.2370
484.5203	3.3681	484.7330	3.2668	484.9457	3.2117	485.1584	3.1695
484.5254	3.2970	484.7380	3.2315	484.9507	3.3007	485.1634	3.3128
484.5304	3.1815	484.7431	3.2486	484.9558	3.3278	485.1685	3.3378
484.5355	3.3211	484.7482	3.1916	484.9609	3.2493	485.1736	3.3130
484.5406	3.3392	484.7532	3.2448	484.9659	3.3520	485.1786	3.3311
484.5456	3.3171	484.7583	3.3005	484.9710	3.2496	485.1837	3.1916
484.5507	3.3076	484.7634	3.2420	484.9760	3.2947	485.1888	3.3846
484.5558	3.2498	484.7684	3.2664	484.9811	3.1469	485.1938	3.2777
484.5608	3.2721	484.7735	3.3421	484.9862	3.1823	485.1989	3.2911
484.5659	3.3054	484.7786	3.2265	484.9912	3.1968	485.2039	3.2512
484.5710	3.3076	484.7836	3.2928	484.9963	3.2684	485.2090	3.3277
484.5760	3.3266	484.7887	3.2274	485.0014	3.2566	485.2141	3.3339
484.5811	3.3565	484.7938	3.3059	485.0064	3.2635	485.2191	3.2913
484.5861	3.3804	484.7988	3.0797	485.0115	3.2446	485.2242	3.1513
484.5912	3.3383	484.8039	3.1811	485.0166	3.2843	485.2292	3.0208
484.5963	3.3256	484.8089	3.1015	485.0216	3.2929	485.2343	3.0864
484.6013	3.3114	484.8140	3.1744	485.0267	3.1809	485.2394	3.1012
484.6064	3.2297	484.8191	3.1676	485.0318	3.2075	485.2444	3.0649
484.6115	3.3050	484.8241	3.1789	485.0368	3.1592	485.2495	3.1277
484.6165	3.3200	484.8292	3.1767	485.0419	3.1685	485.2546	3.1922
484.6216	3.3342	484.8343	3.1876	485.0469	3.0053	485.2596	3.1121
484.6266	3.3281	484.8393	3.2017	485.0520	3.1076	485.2647	3.1643
484.6317	3.3558	484.8444	3.2080	485.0571	3.2595	485.2698	3.2392
484.6368	3.3241	484.8495	3.2224	485.0621	3.1413	485.2748	3.0795
484.6418	3.3504	484.8545	3.2361	485.0672	3.2295	485.2799	3.0788
484.6469	3.1787	484.8596	3.2777	485.0723	3.1828	485.2849	3.2625



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
485.2900	3.1788	485.5027	2.8336	485.7154	3.0685	485.9254	3.1645
485.2951	3.1165	485.5078	2.9170	485.7205	3.0395	485.9305	3.1221
485.3001	3.1780	485.5128	2.9598	485.7255	3.0545	485.9355	3.1405
485.3052	3.0627	485.5179	2.9879	485.7306	3.1600	485.9406	3.0929
485.3103	3.1170	485.5229	2.9706	485.7357	3.1571	485.9457	3.1015
485.3153	3.1689	485.5280	3.0479	485.7407	3.0352	485.9508	3.0531
485.3204	3.0634	485.5331	3.0542	485.7458	3.0774	485.9558	3.0703
485.3255	2.9684	485.5381	2.9020	485.7508	2.9868	485.9609	3.0988
485.3305	2.9825	485.5432	3.0011	485.7559	3.0128	485.9660	3.0728
485.3356	3.1324	485.5483	2.9526	485.7610	2.9168	485.9711	3.0748
485.3407	3.1154	485.5533	2.9020	485.7660	2.9332	485.9761	3.1474
485.3457	3.0458	485.5584	3.0668	485.7711	2.9923	485.9812	3.1162
485.3508	3.0758	485.5635	3.0372	485.7762	2.9184	485.9863	3.1440
485.3559	3.1581	485.5685	2.9724	485.7812	2.9308	485.9914	3.1007
485.3609	2.9839	485.5736	3.0030	485.7863	2.9316	485.9965	3.0928
485.3660	3.1547	485.5787	3.0043	485.7914	2.9051	486.0015	3.0691
485.3710	3.1033	485.5837	2.9647	485.7964	2.9588	486.0066	3.0635
485.3761	3.1535	485.5888	3.0471	485.8015	2.8989	486.0117	3.1523
485.3812	3.0970	485.5938	3.0158	485.8065	2.9490	486.0168	3.1469
485.3862	3.0287	485.5989	2.8819	485.8116	3.0682	486.0219	3.1346
485.3913	3.0082	485.6040	2.9098	485.8167	2.9959	486.0269	3.1371
485.3964	3.0322	485.6090	2.9556	485.8217	3.0177	486.0320	3.1978
485.4014	2.9997	485.6141	2.9297	485.8238	3.0544	486.0371	3.1720
485.4065	3.0162	485.6192	2.9317	485.8289	3.0032	486.0421	3.2430
485.4116	3.0639	485.6242	3.1080	485.8340	3.1000	486.0472	3.2415
485.4166	3.0409	485.6293	3.0193	485.8391	3.0382	486.0523	3.3205
485.4217	3.1003	485.6344	2.9988	485.8441	3.1409	486.0574	3.3316
485.4268	3.1172	485.6394	3.0539	485.8492	3.0932	486.0625	3.3146
485.4318	3.1976	485.6445	3.0147	485.8543	3.0721	486.0675	3.2661
485.4369	3.1433	485.6496	3.1499	485.8594	3.0217	486.0726	3.2510
485.4419	3.0781	485.6546	3.1330	485.8644	3.0437	486.0777	3.2617
485.4470	3.0881	485.6597	3.0068	485.8695	3.1001	486.0828	3.2461
485.4521	2.9914	485.6648	3.0739	485.8746	3.0183	486.0878	3.1835
485.4571	3.0605	485.6698	3.0065	485.8797	3.0983	486.0929	3.2725
485.4622	2.9924	485.6749	3.0798	485.8848	3.1395	486.0980	3.1601
485.4673	3.0110	485.6799	3.0107	485.8898	3.0450	486.1031	3.1082
485.4723	2.9873	485.6850	2.9679	485.8949	3.1673	486.1082	3.0525
485.4774	3.0102	485.6901	3.0091	485.9000	3.1107	486.1132	3.1196
485.4825	2.9264	485.6951	2.9587	485.9051	3.1400	486.1183	3.1527
485.4875	2.9972	485.7002	3.0317	485.9102	3.1066	486.1234	3.1957
485.4926	2.8846	485.7053	3.0322	485.9152	3.2363	486.1284	3.1763
485.4977	2.9034	485.7103	3.1101	485.9203	3.2007	486.1335	3.4155



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
486.1386	3.2592	486.3519	3.2033	486.5651	3.1538	486.7783	3.2319
486.1437	3.1894	486.3569	3.1900	486.5702	3.1380	486.7834	3.2119
486.1488	3.1875	486.3620	3.2643	486.5753	3.1680	486.7885	3.2735
486.1538	3.2087	486.3671	3.1931	486.5803	3.1657	486.7935	3.2272
486.1589	3.2102	486.3722	3.2244	486.5854	3.0961	486.7986	3.1210
486.1640	3.1911	486.3772	3.1469	486.5905	3.0749	486.8037	3.1500
486.1691	3.2034	486.3823	3.1814	486.5956	3.0654	486.8088	3.1371
486.1742	3.2377	486.3874	3.1564	486.6006	3.1396	486.8139	3.2166
486.1792	3.2107	486.3925	3.1225	486.6057	3.0850	486.8189	3.2498
486.1843	3.1434	486.3976	3.1432	486.6108	3.0163	486.8240	3.2058
486.1894	3.2101	486.4026	3.1570	486.6159	3.0598	486.8291	3.2071
486.1945	3.2416	486.4077	3.2651	486.6209	3.0640	486.8342	3.2285
486.1996	3.2106	486.4128	3.1912	486.6260	3.1649	486.8393	3.1651
486.2046	3.2601	486.4178	3.2323	486.6311	3.0664	486.8443	3.2537
486.2097	3.2687	486.4229	3.2608	486.6362	3.0927	486.8494	3.1905
486.2148	3.2514	486.4280	3.1995	486.6412	3.0682	486.8545	3.1927
486.2198	3.2559	486.4331	3.3398	486.6463	3.0623	486.8596	3.3419
486.2249	3.2588	486.4382	3.2634	486.6514	3.0670	486.8647	3.2195
486.2300	3.2614	486.4432	3.2096	486.6565	3.1019	486.8697	3.2426
486.2351	3.2514	486.4483	3.2786	486.6616	3.0418	486.8748	3.2440
486.2401	3.2984	486.4534	3.2920	486.6666	3.1315	486.8799	3.2643
486.2452	3.2965	486.4585	3.2456	486.6717	3.0349	486.8849	3.2343
486.2503	3.2106	486.4636	3.2338	486.6768	3.0904	486.8900	3.2169
486.2554	3.2049	486.4686	3.2648	486.6819	3.1551	486.8951	3.2050
486.2605	3.1745	486.4737	3.1874	486.6870	3.1008	486.9002	3.3070
486.2655	3.2506	486.4788	3.1702	486.6920	3.2098	486.9053	3.2591
486.2706	3.3037	486.4839	3.1647	486.6971	3.2440	486.9103	3.2424
486.2757	3.2863	486.4889	3.1060	486.7022	3.1465	486.9154	3.1831
486.2808	3.2955	486.4940	3.0906	486.7072	3.2327	486.9205	3.2211
486.2859	3.2945	486.4991	3.0954	486.7123	3.1713	486.9256	3.2129
486.2909	3.3506	486.5042	3.0260	486.7174	3.2383	486.9306	3.1722
486.2960	3.2980	486.5092	3.0500	486.7225	3.1472	486.9357	3.1921
486.3011	3.3348	486.5143	3.0529	486.7276	3.1535	486.9408	3.3518
486.3062	3.2210	486.5194	3.0891	486.7326	3.1283	486.9459	3.2816
486.3112	3.2132	486.5245	3.1053	486.7377	3.0910	486.9510	3.2808
486.3163	3.1989	486.5295	3.1195	486.7428	3.0928	486.9560	3.2208
486.3214	3.2633	486.5346	3.1354	486.7479	3.0436	486.9611	3.2770
486.3265	3.2258	486.5397	3.0446	486.7530	3.1218	486.9662	3.2761
486.3315	3.2218	486.5448	3.0788	486.7580	3.1284	486.9713	3.2503
486.3366	3.2799	486.5499	3.0735	486.7631	3.1136	486.9763	3.2901
486.3417	3.2796	486.5549	3.0537	486.7682	3.1404	486.9814	3.1577
486.3468	3.2701	486.5600	3.0985	486.7733	3.1827	486.9865	3.4411



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
486.9916	3.1675	487.2048	3.2450	487.4181	3.3303	487.6313	3.3068
486.9966	3.2091	487.2099	3.1927	487.4231	3.3100	487.6364	3.3346
487.0017	3.2163	487.2150	3.0672	487.4282	3.4810	487.6414	3.3627
487.0068	3.3543	487.2200	3.2326	487.4333	3.2680	487.6465	3.3626
487.0119	3.3368	487.2251	3.2370	487.4384	3.2628	487.6516	3.4050
487.0170	3.2720	487.2302	3.1806	487.4434	3.2726	487.6567	3.4229
487.0220	3.2707	487.2353	3.2545	487.4485	3.2260	487.6617	3.3275
487.0271	3.3806	487.2404	3.3352	487.4536	3.2857	487.6668	3.3561
487.0322	3.3243	487.2454	3.2948	487.4587	3.2597	487.6719	3.3054
487.0373	3.3258	487.2505	3.0708	487.4637	3.3357	487.6770	3.3558
487.0423	3.1801	487.2556	3.2441	487.4688	3.3578	487.6821	3.3186
487.0474	3.2639	487.2607	3.2618	487.4739	3.4364	487.6871	3.2510
487.0525	3.2623	487.2657	3.2581	487.4790	3.3341	487.6922	3.2525
487.0576	3.3098	487.2708	3.1582	487.4840	3.2914	487.6973	3.1337
487.0627	3.2761	487.2759	3.2256	487.4891	3.3420	487.7024	3.2656
487.0677	3.1887	487.2810	2.9372	487.4942	3.3085	487.7075	3.2621
487.0728	3.3599	487.2860	3.0706	487.4993	3.1656	487.7125	3.3349
487.0779	3.2227	487.2911	3.0564	487.5044	3.1575	487.7176	3.2972
487.0829	3.2009	487.2962	3.2024	487.5094	3.3342	487.7227	3.2168
487.0880	3.2356	487.3013	3.1624	487.5145	3.2720	487.7278	3.2520
487.0931	3.2091	487.3064	3.1400	487.5196	3.3737	487.7328	3.0528
487.0982	3.1964	487.3114	3.2030	487.5247	3.3744	487.7379	3.2115
487.1033	3.1969	487.3165	3.1827	487.5298	3.4289	487.7430	3.1268
487.1083	3.2051	487.3216	3.3448	487.5348	3.3524	487.7481	3.1252
487.1134	3.3235	487.3267	3.2922	487.5399	3.4021	487.7531	3.2681
487.1185	3.3241	487.3317	3.2526	487.5450	3.4075	487.7582	3.2821
487.1236	3.2808	487.3368	3.3100	487.5500	3.4055	487.7633	3.2657
487.1287	3.1779	487.3419	3.2792	487.5551	3.2890	487.7684	3.1722
487.1337	3.1764	487.3470	3.3609	487.5602	3.3309	487.7734	3.3129
487.1388	3.2488	487.3521	3.2719	487.5653	3.2892	487.7785	3.2891
487.1439	3.2529	487.3571	3.3789	487.5704	3.1985	487.7836	3.3665
487.1490	3.0889	487.3622	3.2893	487.5754	3.2926	487.7887	3.2995
487.1541	3.1337	487.3673	3.4582	487.5805	3.2316	487.7938	3.3105
487.1591	3.1412	487.3723	3.2621	487.5856	3.2441	487.7988	3.4291
487.1642	3.1032	487.3774	3.3613	487.5907	3.3247	487.8039	3.4237
487.1693	3.0988	487.3825	3.2207	487.5957	3.2415	487.8090	3.3423
487.1743	3.3008	487.3876	3.3984	487.6008	3.3811	487.8141	3.3286
487.1794	3.2933	487.3927	3.2679	487.6059	3.3217	487.8192	3.3211
487.1845	3.2822	487.3977	3.3265	487.6110	3.4054	487.8242	3.2760
487.1896	3.3973	487.4028	3.3570	487.6161	3.4003	487.8293	3.3939
487.1946	3.2393	487.4079	3.3032	487.6211	3.4029	487.8344	3.3573
487.1997	3.1915	487.4130	3.3948	487.6262	3.4323	487.8394	3.1094



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
487.8445	3.2724	488.0578	3.1918	488.2710	3.1443	488.4843	3.7276
487.8496	3.1173	488.0628	3.1919	488.2761	3.2172	488.4893	3.5774
487.8547	3.1900	488.0679	3.2133	488.2812	3.1880	488.4944	3.6232
487.8598	3.2576	488.0730	3.1263	488.2862	3.2254	488.4995	3.6341
487.8648	3.3814	488.0781	3.1418	488.2913	3.3612	488.5045	3.6217
487.8699	3.3716	488.0832	3.3416	488.2964	3.3383	488.5096	3.5752
487.8750	3.3896	488.0882	3.2374	488.3015	3.3124	488.5147	3.5976
487.8801	3.2198	488.0933	3.1334	488.3065	3.3198	488.5198	3.5553
487.8851	3.1290	488.0984	3.2236	488.3116	3.2801	488.5249	3.6573
487.8902	3.3052	488.1035	3.2821	488.3167	3.2393	488.5299	3.7107
487.8953	3.2176	488.1086	3.1453	488.3218	3.2352	488.5350	3.7116
487.9004	3.1466	488.1136	3.3569	488.3268	3.2449	488.5401	3.5676
487.9055	3.1840	488.1187	3.3353	488.3319	3.2414	488.5452	3.6991
487.9105	3.3341	488.1238	3.4247	488.3370	3.2980	488.5503	3.7346
487.9156	3.3537	488.1288	3.3065	488.3421	3.2210	488.5553	3.8501
487.9207	3.2566	488.1339	3.4381	488.3472	3.2992	488.5604	3.7731
487.9258	3.2644	488.1390	3.3315	488.3522	3.3208	488.5655	3.7598
487.9308	3.2614	488.1441	3.3274	488.3573	3.3041	488.5706	3.6092
487.9359	3.2319	488.1492	3.2607	488.3624	3.3453	488.5756	3.5733
487.9410	3.0246	488.1542	3.3245	488.3675	3.3968	488.5807	3.4452
487.9461	3.2211	488.1593	3.4656	488.3726	3.3957	488.5858	3.4884
487.9511	3.1909	488.1644	3.3203	488.3776	3.3760	488.5909	3.5636
487.9562	3.1737	488.1695	3.3900	488.3827	3.5832	488.5959	3.6252
487.9613	3.2602	488.1745	3.3150	488.3878	3.5214	488.6010	3.5584
487.9664	3.2285	488.1796	3.3656	488.3929	3.7088	488.6061	3.7092
487.9715	3.2228	488.1847	3.2556	488.3979	3.6605	488.6112	3.5896
487.9765	3.2383	488.1898	3.2090	488.4030	3.6047	488.6162	3.6457
487.9816	3.2071	488.1949	3.2641	488.4081	3.5476	488.6213	3.6743
487.9867	3.2990	488.1999	3.2958	488.4132	3.5906	488.6264	3.6350
487.9918	3.3012	488.2050	3.3808	488.4182	3.6407	488.6315	3.6018
487.9968	3.2124	488.2101	3.2325	488.4233	3.6984	488.6366	3.6220
488.0019	3.0976	488.2151	3.4028	488.4284	3.5852	488.6416	3.6196
488.0070	3.1646	488.2202	3.4450	488.4335	3.5871	488.6467	3.7592
488.0121	3.2440	488.2253	3.5979	488.4385	3.5743	488.6518	3.9180
488.0172	3.2005	488.2304	3.5236	488.4436	3.7098	488.6569	3.6284
488.0222	3.2811	488.2355	3.5018	488.4487	3.6124	488.6620	3.7168
488.0273	3.2058	488.2405	3.4689	488.4538	3.6374	488.6670	3.9009
488.0324	3.1212	488.2456	3.3909	488.4589	3.5192	488.6721	3.7530
488.0374	3.2778	488.2507	3.3666	488.4639	3.6427	488.6772	3.7578
488.0425	3.2560	488.2558	3.2373	488.4690	3.5133	488.6823	3.7101
488.0476	3.2023	488.2609	3.1952	488.4741	3.7701	488.6873	3.7860
488.0527	3.2126	488.2659	3.2345	488.4792	3.6843	488.6924	3.7468



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
488.6975	3.8047	488.9107	3.9951	489.1240	3.6612	489.3372	3.5106
488.7026	3.7493	488.9158	3.8897	489.1290	3.6751	489.3423	3.5211
488.7076	3.8421	488.9209	4.0156	489.1341	3.7079	489.3474	3.5686
488.7127	3.7177	488.9260	3.9619	489.1392	3.5967	489.3524	3.4871
488.7178	3.7472	488.9310	3.9529	489.1443	3.5178	489.3575	3.4172
488.7229	3.8021	488.9361	3.8064	489.1494	3.5137	489.3626	3.5356
488.7279	3.6998	488.9412	3.7556	489.1544	3.4343	489.3677	3.5020
488.7330	3.6497	488.9463	3.7984	489.1595	3.4937	489.3727	3.5635
488.7381	3.7644	488.9514	3.8094	489.1646	3.4522	489.3778	3.4861
488.7432	3.8567	488.9564	3.7569	489.1696	3.4902	489.3829	3.6365
488.7483	3.8331	488.9615	3.7910	489.1747	3.6320	489.3880	3.6690
488.7533	3.7762	488.9666	3.8563	489.1798	3.6379	489.3930	3.5080
488.7584	3.6952	488.9716	3.7936	489.1849	3.5104	489.3981	3.5835
488.7635	3.7063	488.9767	3.7491	489.1900	3.4962	489.4032	3.7115
488.7686	3.6697	488.9818	3.8006	489.1950	3.6277	489.4083	3.5793
488.7737	3.6145	488.9869	3.8717	489.2001	3.5297	489.4134	3.6535
488.7787	3.5156	488.9919	3.9592	489.2052	3.4860	489.4184	3.6177
488.7838	3.5535	488.9970	3.7917	489.2103	3.4969	489.4235	3.6765
488.7889	3.6028	489.0021	3.8360	489.2154	3.4844	489.4286	3.6013
488.7939	3.6050	489.0072	3.8476	489.2204	3.5364	489.4337	3.5417
488.7990	3.6282	489.0123	3.6899	489.2255	3.5707	489.4388	3.5877
488.8041	3.5245	489.0173	3.9337	489.2306	3.5635	489.4438	3.6829
488.8092	3.6493	489.0224	3.7011	489.2357	3.5725	489.4489	3.4538
488.8143	3.6535	489.0275	3.8450	489.2407	3.5551	489.4540	3.4030
488.8193	3.6050	489.0326	3.8577	489.2458	3.5606	489.4590	3.5023
488.8244	3.5937	489.0377	3.7985	489.2509	3.4454	489.4641	3.4061
488.8295	3.5909	489.0427	3.7041	489.2560	3.4825	489.4692	3.4043
488.8346	3.7142	489.0478	3.7405	489.2610	3.4505	489.4743	3.3848
488.8396	3.8387	489.0529	3.7242	489.2661	3.5566	489.4794	3.4232
488.8447	3.7290	489.0580	3.7135	489.2712	3.5087	489.4844	3.4622
488.8498	3.7013	489.0630	3.6026	489.2763	3.6166	489.4895	3.4090
488.8549	3.8133	489.0681	3.4685	489.2813	3.5282	489.4946	3.5132
488.8600	3.7077	489.0732	3.4005	489.2864	3.4719	489.4997	3.5660
488.8650	3.6362	489.0783	3.5114	489.2915	3.5451	489.5048	3.4760
488.8701	3.9133	489.0833	3.4256	489.2966	3.4229	489.5098	3.6157
488.8752	3.8283	489.0884	3.4332	489.3017	3.5627	489.5149	3.7044
488.8802	3.8432	489.0935	3.5015	489.3067	3.5729	489.5200	3.8044
488.8853	3.8586	489.0986	3.5573	489.3118	3.5826	489.5251	3.8236
488.8904	3.9780	489.1037	3.5548	489.3169	3.5129	489.5301	3.6878
488.8955	4.0069	489.1087	3.6046	489.3220	3.5978	489.5352	3.7176
488.9006	3.9974	489.1138	3.6667	489.3271	3.5419	489.5403	3.6728
488.9056	4.0231	489.1189	3.6330	489.3321	3.4915	489.5453	3.6281



Table 6. High Resolution Absorption Cross Section from 470–490 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
489.5504	3.6040	489.7028	3.4790	489.8551	3.3624	490.0074	3.3619
489.5555	3.6740	489.7078	3.4585	489.8601	3.3455	490.0125	3.5155
489.5606	3.6543	489.7129	3.4296	489.8652	3.4912	490.0175	3.4054
489.5657	3.5138	489.7180	3.4560	489.8703	3.5143	490.0226	3.3818
489.5707	3.6514	489.7231	3.3206	489.8754	3.4939	490.0277	3.4552
489.5758	3.4407	489.7281	3.3139	489.8805	3.4327	490.0328	3.2601
489.5809	3.4174	489.7332	3.4096	489.8855	3.5569	490.0378	3.3406
489.5860	3.4423	489.7383	3.5383	489.8906	3.5419	490.0429	3.4092
489.5911	3.5225	489.7434	3.4458	489.8957	3.4011	490.0480	3.4860
489.5961	3.4027	489.7484	3.4782	489.9008	3.3465	490.0531	3.7531
489.6012	3.3355	489.7535	3.4237	489.9059	3.3666	490.0582	3.6302
489.6063	3.4879	489.7586	3.4385	489.9109	3.4046	490.0632	3.6512
489.6114	3.3065	489.7637	3.4322	489.9160	3.2320	490.0683	3.5744
489.6165	3.4568	489.7688	3.5860	489.9211	3.3484	490.0734	3.5619
489.6215	3.5646	489.7738	3.6790	489.9261	3.4839	490.0785	3.6120
489.6266	3.4657	489.7789	3.4867	489.9312	3.3197	490.0835	4.1196
489.6317	3.4333	489.7840	3.5042	489.9363	3.4533	490.0886	3.3008
489.6367	3.4717	489.7891	3.4910	489.9414	3.3160	490.0937	3.4857
489.6418	3.4677	489.7941	3.5938	489.9465	3.3837	490.0988	3.3960
489.6469	3.5276	489.7992	3.6303	489.9515	3.3981	490.1039	3.5403
489.6520	3.6040	489.8043	3.3446	489.9566	3.3042	490.1089	3.3473
489.6571	3.5811	489.8094	3.3787	489.9617	3.3326	490.1140	3.3104
489.6621	3.5077	489.8145	3.3263	489.9668	3.3870	490.1191	3.4280
489.6672	3.4758	489.8195	3.4590	489.9718	3.2749	490.1241	3.2310
489.6723	3.4467	489.8246	3.4310	489.9769	3.3966	490.1292	3.2927
489.6774	3.6488	489.8297	3.4756	489.9820	3.3762	490.1343	3.5081
489.6824	3.6255	489.8347	3.4511	489.9871	3.4333	490.1394	3.2760
489.6875	3.5419	489.8398	3.5732	489.9922	3.5159	490.1445	3.1714
489.6926	3.4785	489.8449	3.5960	489.9972	3.4715	490.1495	3.1581
489.6977	3.4814	489.8500	3.3799	490.0023	3.5158		



Table 7. High Resolution Absorption Cross Section from 520-534 nm at 296K

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
519.9991	1.7875	520.2140	1.6686	520.4289	1.4838	520.6437	1.5711
520.0042	1.7505	520.2191	1.7138	520.4340	1.6888	520.6489	1.4659
520.0093	1.5958	520.2242	1.8375	520.4391	1.5451	520.6540	1.4943
520.0144	1.7090	520.2293	1.7907	520.4442	1.4638	520.6591	1.4551
520.0195	1.8578	520.2344	1.9898	520.4493	1.7130	520.6642	1.5313
520.0247	1.7685	520.2396	1.7941	520.4544	1.7737	520.6693	1.7875
520.0298	1.7836	520.2447	1.6792	520.4595	1.7161	520.6744	1.4635
520.0349	1.7013	520.2498	1.7884	520.4647	1.5373	520.6796	1.6644
520.0400	1.6868	520.2549	1.8836	520.4698	1.4191	520.6847	1.6481
520.0451	1.6370	520.2600	1.9458	520.4749	1.3859	520.6898	1.5841
520.0502	1.6841	520.2651	1.8369	520.4800	1.4253	520.6949	1.4960
520.0554	1.6131	520.2703	1.7986	520.4851	1.3259	520.7000	1.4764
520.0605	1.6056	520.2754	1.7354	520.4902	1.5303	520.7051	1.7982
520.0656	1.6238	520.2805	1.6255	520.4954	1.5332	520.7103	1.5509
520.0707	1.7144	520.2856	1.8693	520.5005	1.4665	520.7154	1.6627
520.0758	1.7838	520.2907	1.7260	520.5056	1.4980	520.7205	1.5730
520.0809	1.7369	520.2958	1.7995	520.5107	1.5874	520.7256	1.4838
520.0861	1.7848	520.3010	1.6985	520.5158	1.7118	520.7307	1.4662
520.0912	1.8313	520.3061	2.1217	520.5209	1.6568	520.7358	1.5622
520.0963	1.9966	520.3112	2.1025	520.5261	1.7251	520.7410	1.6220
520.1014	1.9151	520.3163	1.8163	520.5312	1.6191	520.7461	1.5452
520.1065	2.1199	520.3215	1.7456	520.5363	1.4820	520.7512	1.4666
520.1116	1.9079	520.3265	1.7304	520.5414	1.3953	520.7563	1.3406
520.1168	1.9621	520.3317	1.7054	520.5465	1.4259	520.7614	1.4703
520.1219	1.8591	520.3368	1.9127	520.5516	1.4634	520.7665	1.4708
520.1270	1.8808	520.3419	1.8291	520.5568	1.7007	520.7717	1.5357
520.1321	1.7422	520.3470	1.9771	520.5619	1.4917	520.7767	1.5791
520.1372	1.7654	520.3522	1.7882	520.5670	1.5928	520.7819	1.5550
520.1423	1.9809	520.3572	1.7536	520.5721	1.6199	520.7870	1.4489
520.1475	2.3379	520.3624	1.6327	520.5772	1.6144	520.7921	1.4558
520.1526	1.8168	520.3675	1.8207	520.5823	1.7231	520.7972	1.4274
520.1577	1.8658	520.3726	1.7357	520.5875	1.6109	520.8023	1.4152
520.1628	2.1345	520.3777	1.7672	520.5926	1.4800	520.8074	1.6421
520.1679	1.9134	520.3829	1.6739	520.5977	1.6776	520.8126	1.6073
520.1730	1.8271	520.3879	1.5976	520.6028	1.5682	520.8177	1.4669
520.1782	1.8487	520.3931	1.6932	520.6079	1.5654	520.8228	1.4294
520.1833	1.9360	520.3982	1.7910	520.6130	1.6684	520.8279	1.7475
520.1884	1.7216	520.4033	1.6880	520.6182	1.6263	520.8330	1.5529
520.1935	1.5290	520.4084	1.7613	520.6233	1.5077	520.8381	1.5102
520.1986	1.8018	520.4136	1.5238	520.6284	1.4708	520.8433	1.5085
520.2037	1.7274	520.4186	1.5039	520.6335	1.5655	520.8484	1.5639
520.2089	1.6330	520.4238	1.6424	520.6386	1.4505	520.8535	1.5939



Table 7. High Resolution Absorption Cross Section from 520–534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
520.8586	1.5348	521.0734	1.6022	521.2883	1.4597	521.5031	1.4098
520.8637	1.5350	521.0786	1.7410	521.2934	1.3434	521.5082	1.3982
520.8688	1.4312	521.0837	1.6827	521.2985	1.2939	521.5133	1.4101
520.8740	1.5558	521.0888	1.5153	521.3036	1.2604	521.5184	1.4740
520.8791	1.4802	521.0939	1.5620	521.3088	1.2791	521.5236	1.3770
520.8842	1.4507	521.0991	1.5795	521.3139	1.3140	521.5287	1.2295
520.8893	1.5692	521.1041	1.6360	521.3190	1.2801	521.5338	1.2292
520.8944	1.6673	521.1093	1.7079	521.3241	1.3521	521.5389	1.3058
520.8995	1.4661	521.1144	1.5397	521.3292	1.3575	521.5440	1.1918
520.9047	1.4955	521.1195	1.6237	521.3344	1.3477	521.5491	1.4223
520.9098	1.4051	521.1246	1.5111	521.3395	1.2323	521.5543	1.4994
520.9149	1.4195	521.1298	1.5015	521.3445	1.2603	521.5594	1.5427
520.9200	1.5338	521.1348	1.3156	521.3497	1.5059	521.5645	1.5762
520.9251	1.6137	521.1400	1.3555	521.3547	1.4171	521.5696	1.3854
520.9302	1.5709	521.1451	1.3859	521.3599	1.3334	521.5747	1.4980
520.9354	1.5524	521.1502	1.4626	521.3650	1.2917	521.5798	1.3379
520.9405	1.5730	521.1553	1.4586	521.3701	1.1654	521.5850	1.3463
520.9456	1.3722	521.1605	1.5871	521.3752	1.2686	521.5901	1.3028
520.9507	1.5360	521.1655	1.5790	521.3804	1.2484	521.5952	1.4163
520.9558	1.6535	521.1707	1.4559	521.3854	1.3137	521.6003	1.3404
520.9609	1.7054	521.1758	1.5592	521.3906	1.3137	521.6054	1.4740
520.9661	1.6168	521.1809	1.4980	521.3957	1.3645	521.6105	1.2996
520.9712	1.5246	521.1860	1.3837	521.4008	1.3784	521.6156	1.4553
520.9763	1.5440	521.1911	1.4719	521.4059	1.3048	521.6207	1.5086
520.9814	1.5663	521.1962	1.5280	521.4111	1.1781	521.6259	1.5013
520.9865	1.4144	521.2013	1.3422	521.4161	1.1674	521.6310	1.5750
520.9916	1.4396	521.2064	1.3706	521.4213	1.2475	521.6360	1.5024
520.9968	1.4223	521.2115	1.3960	521.4264	1.1657	521.6412	1.3060
521.0018	1.5465	521.2167	1.3434	521.4315	1.2433	521.6463	1.2778
521.0070	1.4885	521.2218	1.4605	521.4366	1.2230	521.6514	1.5820
521.0120	1.4804	521.2269	1.3995	521.4418	1.3028	521.6566	1.5025
521.0172	1.4857	521.2320	1.4317	521.4468	1.2508	521.6617	1.5202
521.0223	1.6780	521.2371	1.3749	521.4520	1.3515	521.6667	1.6953
521.0274	1.7220	521.2422	1.3425	521.4571	1.2116	521.6719	1.5839
521.0325	1.5553	521.2474	1.4262	521.4622	1.3386	521.6770	1.4160
521.0377	1.4210	521.2525	1.2579	521.4673	1.2608	521.6821	1.2920
521.0427	1.6926	521.2576	1.1738	521.4725	1.3539	521.6873	1.2358
521.0479	1.5550	521.2627	1.0963	521.4775	1.2273	521.6924	1.3568
521.0530	1.5515	521.2678	1.2493	521.4827	1.3631	521.6974	1.3689
521.0581	1.4172	521.2729	1.4158	521.4877	1.3516	521.7026	1.4953
521.0632	1.3762	521.2781	1.2091	521.4929	1.3999	521.7077	1.3871
521.0684	1.6121	521.2832	1.2873	521.4980	1.2226	521.7128	1.5021



Table 7. High Resolution Absorption Cross Section from 520–534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
521.7180	1.2734	521.9327	1.2855	522.1475	1.1704	522.3622	1.2842
521.7231	1.2353	521.9379	1.3847	522.1526	1.1998	522.3674	1.3160
521.7281	1.3503	521.9429	1.2819	522.1577	1.3222	522.3725	1.3137
521.7333	1.2681	521.9481	1.4326	522.1628	1.3910	522.3776	1.2524
521.7383	1.4150	521.9531	1.4157	522.1679	1.2610	522.3827	1.3462
521.7435	1.5021	521.9583	1.3063	522.1730	1.1816	522.3878	1.3593
521.7486	1.4847	521.9634	1.4009	522.1782	1.4211	522.3929	1.2080
521.7537	1.2714	521.9685	1.4726	522.1833	1.3903	522.3981	1.3371
521.7588	1.2844	521.9736	1.2216	522.1884	1.4100	522.4032	1.3018
521.7639	1.3676	521.9787	1.3486	522.1935	1.3308	522.4083	1.3264
521.7690	1.3115	521.9838	1.4520	522.1986	1.3400	522.4133	1.1134
521.7742	1.3791	521.9890	1.1740	522.2037	1.6339	522.4185	1.1285
521.7793	1.5370	521.9941	1.3047	522.2089	1.4628	522.4236	1.3301
521.7844	1.4157	521.9992	1.3029	522.2140	1.3983	522.4287	1.2789
521.7895	1.3369	522.0043	1.2991	522.2191	1.3532	522.4338	1.3083
521.7946	1.2660	522.0094	1.2812	522.2242	1.2140	522.4390	1.0571
521.7997	1.2333	522.0145	1.2218	522.2293	1.1442	522.4440	1.1450
521.8049	1.3060	522.0197	1.3022	522.2344	1.4231	522.4492	1.0976
521.8100	1.3116	522.0248	1.1649	522.2396	1.2846	522.4543	1.3479
521.8151	1.2824	522.0299	1.3905	522.2446	1.1895	522.4594	1.1645
521.8202	1.3552	522.0350	1.2187	522.2498	1.3666	522.4645	1.1523
521.8253	1.3113	522.0401	1.4185	522.2548	1.2946	522.4697	1.2968
521.8304	1.4110	522.0452	1.3546	522.2599	1.2690	522.4747	1.1716
521.8356	1.2353	522.0504	1.3396	522.2651	1.3415	522.4799	1.1625
521.8407	1.2904	522.0554	1.3769	522.2702	1.2361	522.4850	1.2361
521.8458	1.4301	522.0605	1.3294	522.2753	1.2914	522.4901	1.2529
521.8508	1.3965	522.0657	1.8511	522.2805	1.3271	522.4952	1.2085
521.8560	1.3826	522.0707	1.7762	522.2856	1.3934	522.5003	1.3703
521.8611	1.3296	522.0759	1.4988	522.2906	1.3554	522.5054	1.3744
521.8662	1.4679	522.0810	1.6171	522.2958	1.3216	522.5105	1.2348
521.8713	1.2331	522.0861	1.6656	522.3009	1.3882	522.5156	1.3508
521.8765	1.2762	522.0912	1.4969	522.3060	1.3290	522.5208	1.2308
521.8815	1.2395	522.0964	1.3450	522.3112	1.3451	522.5259	1.2530
521.8867	1.2549	522.1014	1.3541	522.3163	1.3196	522.5310	1.3887
521.8918	1.2268	522.1066	1.4337	522.3214	1.4165	522.5361	1.2853
521.8969	1.2631	522.1117	1.2983	522.3265	1.4186	522.5412	1.1730
521.9020	1.3119	522.1168	1.3615	522.3315	1.4072	522.5463	1.2462
521.9072	1.2550	522.1219	1.2168	522.3367	1.2574	522.5515	1.2250
521.9122	1.3446	522.1271	1.3042	522.3418	1.4738	522.5566	1.3185
521.9174	1.2026	522.1321	1.2698	522.3469	1.3540	522.5617	1.4832
521.9225	1.3366	522.1373	1.2024	522.3520	1.3252	522.5668	1.4813
521.9276	1.2824	522.1424	1.2935	522.3571	1.3455	522.5719	1.3197



Table 7. High Resolution Absorption Cross Section from 520–534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
522.5770	1.4564	522.7917	1.4879	523.0065	1.3144	523.2211	1.6866
522.5821	1.4648	522.7969	1.8613	523.0115	1.3240	523.2263	1.6760
522.5872	1.3898	522.8019	1.4630	523.0167	1.3393	523.2314	1.6074
522.5923	1.3776	522.8071	1.4152	523.0218	1.3656	523.2365	1.4092
522.5974	1.2992	522.8122	1.4683	523.0269	1.2660	523.2416	1.4626
522.6025	1.2518	522.8173	1.6127	523.0320	1.4773	523.2468	1.5818
522.6077	1.5299	522.8224	1.6635	523.0371	1.3843	523.2518	1.3891
522.6128	1.4376	522.8275	1.3896	523.0422	1.4828	523.2570	1.5135
522.6179	1.4906	522.8326	1.5302	523.0474	1.5508	523.2621	1.5525
522.6230	1.5728	522.8378	1.6335	523.0525	1.6116	523.2672	1.5974
522.6282	1.5097	522.8429	1.3899	523.0576	1.4849	523.2723	1.4049
522.6332	1.3171	522.8480	1.4272	523.0627	1.3904	523.2774	1.3909
522.6384	1.3859	522.8531	1.4862	523.0678	1.5708	523.2825	1.4158
522.6435	1.4123	522.8582	1.3627	523.0729	1.5426	523.2876	1.4403
522.6486	1.4060	522.8633	1.5340	523.0780	1.5577	523.2927	1.3563
522.6537	1.2875	522.8685	1.4455	523.0831	1.4814	523.2979	1.3973
522.6588	1.3445	522.8735	1.5140	523.0883	1.4445	523.3030	1.3481
522.6639	1.3848	522.8786	1.4212	523.0934	1.6902	523.3081	1.3429
522.6690	1.4753	522.8837	1.5419	523.0984	1.4642	523.3132	1.3265
522.6741	1.2926	522.8889	1.3936	523.1036	1.3230	523.3183	1.5147
522.6793	1.3416	522.8940	1.4164	523.1087	1.3224	523.3234	1.5482
522.6844	1.3213	522.8991	1.4306	523.1138	1.5842	523.3285	1.3566
522.6895	1.3257	522.9042	1.3547	523.1190	1.4906	523.3336	1.2902
522.6946	1.4719	522.9093	1.5079	523.1241	1.6157	523.3387	1.4765
522.6997	1.3530	522.9144	1.6428	523.1292	1.4059	523.3439	1.7828
522.7048	1.3197	522.9196	1.5025	523.1343	1.2554	523.3489	1.9146
522.7100	1.2956	522.9247	1.4725	523.1393	1.2926	523.3541	1.5045
522.7151	1.4190	522.9298	1.3955	523.1445	1.3636	523.3592	1.4720
522.7202	1.2385	522.9349	1.3489	523.1496	1.5004	523.3643	1.6705
522.7253	1.2885	522.9400	1.4581	523.1547	1.3904	523.3694	1.5361
522.7303	1.3186	522.9451	1.4895	523.1598	1.5155	523.3746	1.6571
522.7355	1.2985	522.9502	1.5351	523.1649	1.4370	523.3796	2.0104
522.7406	1.3359	522.9553	1.5392	523.1700	1.4802	523.3847	1.5500
522.7457	1.2930	522.9604	1.5192	523.1752	1.5907	523.3898	1.8428
522.7509	1.4444	522.9656	1.4251	523.1803	1.7908	523.3950	1.6675
522.7559	1.5806	522.9707	1.3655	523.1854	2.1250	523.4001	1.6512
522.7610	1.5103	522.9758	1.2670	523.1905	1.6902	523.4052	1.8810
522.7662	1.5023	522.9809	1.3694	523.1956	1.5470	523.4103	1.4991
522.7713	1.4625	522.9860	1.6794	523.2007	1.7309	523.4154	1.4098
522.7764	1.5434	522.9911	1.6154	523.2058	1.7339	523.4205	1.4885
522.7816	1.4691	522.9963	1.4813	523.2109	1.5735	523.4257	1.6138
522.7866	1.4524	523.0014	1.4138	523.2161	1.7866	523.4308	1.5673



Table 7. High Resolution Absorption Cross Section from 520–534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
523.4359	1.4119	523.6506	1.1061	523.8652	1.2025	524.0799	1.9926
523.4410	1.2849	523.6557	1.0686	523.8704	1.2730	524.0850	1.7339
523.4460	1.3441	523.6608	1.0280	523.8754	1.3336	524.0901	1.6190
523.4512	1.1964	523.6659	1.0893	523.8806	1.3842	524.0952	1.7029
523.4563	1.2649	523.6710	1.1010	523.8856	1.3991	524.1003	1.3759
523.4614	1.2170	523.6761	1.0786	523.8907	1.3190	524.1054	1.4130
523.4666	1.1845	523.6812	1.1061	523.8959	1.4370	524.1105	1.5699
523.4716	1.1128	523.6863	1.1604	523.9010	1.3280	524.1157	1.4638
523.4767	1.1932	523.6914	1.2180	523.9061	1.4861	524.1208	1.3916
523.4819	1.1926	523.6965	1.1693	523.9112	1.4051	524.1259	1.4696
523.4870	1.0616	523.7017	1.3317	523.9163	1.4634	524.1310	1.4920
523.4921	1.0981	523.7068	1.3157	523.9214	1.3987	524.1360	1.3658
523.4973	1.1950	523.7119	1.2947	523.9266	1.3734	524.1412	1.3058
523.5023	1.2511	523.7170	1.2858	523.9317	1.2987	524.1463	1.4344
523.5074	1.2890	523.7221	1.4268	523.9368	1.4341	524.1514	1.5429
523.5125	1.2873	523.7272	1.3003	523.9418	1.5086	524.1565	1.3372
523.5176	1.3577	523.7323	1.4912	523.9470	1.5295	524.1616	1.4265
523.5228	1.1962	523.7374	1.1830	523.9521	1.4635	524.1667	1.4852
523.5279	1.2677	523.7426	1.3695	523.9572	1.1920	524.1719	1.3595
523.5330	1.2257	523.7477	1.3559	523.9623	1.1829	524.1770	1.3530
523.5381	1.3142	523.7527	1.3493	523.9675	1.2777	524.1821	1.3445
523.5432	1.2945	523.7579	1.4113	523.9725	1.2399	524.1871	1.4119
523.5483	1.4511	523.7630	1.3465	523.9777	1.1986	524.1923	1.4597
523.5535	1.3135	523.7681	1.4047	523.9828	1.2048	524.1974	1.4094
523.5585	1.1894	523.7733	1.3187	523.9879	1.2645	524.2025	1.3043
523.5636	1.1578	523.7783	1.3362	523.9930	1.2279	524.2076	1.4894
523.5687	1.3485	523.7834	1.3656	523.9981	1.2438	524.2128	1.4093
523.5739	1.1898	523.7885	1.4305	524.0032	1.2323	524.2178	1.4867
523.5790	1.1972	523.7936	1.3241	524.0083	1.3641	524.2230	1.4622
523.5841	1.2210	523.7988	1.4329	524.0134	1.3039	524.2281	1.3695
523.5892	1.2232	523.8039	1.4486	524.0186	1.3445	524.2332	1.3604
523.5944	1.1966	523.8090	1.2600	524.0237	1.2795	524.2383	1.3075
523.5994	1.2621	523.8141	1.2306	524.0288	1.2513	524.2434	1.4086
523.6046	1.2410	523.8192	1.2368	524.0339	1.2871	524.2485	1.2291
523.6097	1.1030	523.8243	1.3172	524.0389	1.3328	524.2536	1.3553
523.6147	1.2649	523.8295	1.2752	524.0441	1.3813	524.2587	1.4585
523.6199	1.2792	523.8345	1.3490	524.0492	1.4179	524.2639	1.4951
523.6250	1.3587	523.8397	1.2363	524.0543	1.3255	524.2690	1.3536
523.6301	1.3293	523.8447	1.2938	524.0594	1.4440	524.2741	1.4935
523.6352	1.4111	523.8499	1.3463	524.0645	1.6157	524.2792	1.4242
523.6403	1.4219	523.8550	1.4129	524.0696	1.5130	524.2842	1.4203
523.6454	1.4360	523.8601	1.2490	524.0748	1.5389	524.2894	1.4223



Table 7 High Resolution Absorption Cross Section from 520-534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
524.2945	1.3632	524.5091	1.6174	524.7238	1.7913	524.9383	1.9074
524.2996	1.3852	524.5142	1.5957	524.7288	1.7716	524.9434	1.8985
524.3047	1.4589	524.5193	1.7697	524.7339	1.6535	524.9485	2.4100
524.3099	1.5331	524.5245	1.6558	524.7391	1.9432	524.9537	2.0044
524.3149	1.5166	524.5295	1.5204	524.7442	1.7111	524.9588	2.4039
524.3201	1.6482	524.5347	1.6352	524.7493	1.7545	524.9639	2.3956
524.3251	1.6021	524.5398	1.4561	524.7544	1.5301	524.9690	2.1800
524.3303	1.4280	524.5449	1.4664	524.7595	1.8469	524.9741	2.4937
524.3354	1.5419	524.5500	1.6555	524.7646	1.7966	524.9792	2.2040
524.3405	1.4905	524.5551	1.5616	524.7697	1.6043	524.9843	2.1994
524.3456	1.6266	524.5602	1.5671	524.7748	1.5438	524.9894	2.2232
524.3507	1.6558	524.5653	1.5288	524.7799	1.4677	524.9946	2.0717
524.3558	1.6189	524.5704	1.4091	524.7850	1.7496	524.9996	2.2871
524.3610	1.5775	524.5756	1.5340	524.7902	1.5519	525.0048	2.1533
524.3661	1.5982	524.5807	1.5541	524.7953	1.6981	525.0099	2.5049
524.3712	1.5755	524.5858	1.6720	524.8004	1.7404	525.0150	2.3020
524.3762	1.7551	524.5909	1.4579	524.8055	2.0017	525.0201	2.3662
524.3813	1.5898	524.5959	1.5127	524.8105	1.7910	525.0252	2.3642
524.3865	1.5638	524.6011	1.6207	524.8157	1.7929	525.0303	2.3775
524.3916	1.5021	524.6062	1.6538	524.8208	1.6930	525.0354	2.3437
524.3967	1.5493	524.6113	1.5012	524.8259	1.8228	525.0405	2.5079
524.4019	1.5932	524.6165	1.6440	524.8311	1.7629	525.0457	2.5264
524.4069	1.7320	524.6216	1.7449	524.8362	1.6996	525.0508	2.5599
524.4120	1.7393	524.6266	1.8496	524.8412	1.7294	525.0558	2.2909
524.4171	1.7742	524.6318	1.7753	524.8464	1.8614	525.0609	2.3298
524.4222	1.6154	524.6369	1.7309	524.8514	1.8204	525.0660	2.6244
524.4274	1.6306	524.6420	1.7721	524.8566	1.7312	525.0712	2.4797
524.4325	1.5635	524.6471	1.6823	524.8617	1.8256	525.0763	2.2082
524.4376	1.3986	524.6522	1.8472	524.8668	1.8098	525.0814	2.3020
524.4427	1.4174	524.6573	1.6913	524.8719	2.0873	525.0865	2.1574
524.4478	1.4050	524.6624	1.5850	524.8770	2.2550	525.0916	2.1429
524.4529	1.3282	524.6675	1.4708	524.8821	2.0713	525.0967	2.1344
524.4581	1.3973	524.6727	1.6028	524.8873	2.1396	525.1018	1.7684
524.4631	1.4928	524.6778	1.6546	524.8923	2.0246	525.1069	2.0698
524.4682	1.5040	524.6829	1.7278	524.8975	2.0978	525.1121	2.0087
524.4733	1.4177	524.6879	1.5336	524.9026	2.1329	525.1172	2.0125
524.4785	1.4075	524.6931	1.4083	524.9077	1.9555	525.1223	2.1852
524.4836	1.5598	524.6982	1.5392	524.9128	2.0287	525.1274	2.1091
524.4887	1.5009	524.7033	1.4654	524.9179	1.9639	525.1325	2.4780
524.4938	1.4345	524.7084	1.5294	524.9230	1.7838	525.1376	2.0848
524.4989	1.5848	524.7136	1.6353	524.9282	1.9898	525.1427	2.0534
524.5040	1.6643	524.7186	1.8373	524.9332	2.2469	525.1478	1.8129



Table 7. High Resolution Absorption Cross Section from 520–534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
525.1529	2.0386	525.3675	2.6372	525.5821	2.2466	525.7966	2.3740
525.1580	1.8803	525.3726	2.5464	525.5872	2.3137	525.8017	2.1290
525.1631	1.8747	525.3777	2.3053	525.5922	2.2477	525.8068	1.9177
525.1683	2.0912	525.3828	2.6681	525.5974	2.1273	525.8119	1.7052
525.1733	2.1996	525.3879	2.3946	525.6025	2.0656	525.8170	1.9237
525.1785	2.3621	525.3931	2.0259	525.6076	2.0101	525.8221	1.8524
525.1835	2.0728	525.3982	2.2493	525.6127	1.9540	525.8273	1.8446
525.1887	1.9578	525.4032	2.4076	525.6179	2.4487	525.8323	2.0004
525.1938	2.1842	525.4083	2.1494	525.6229	2.4378	525.8374	1.8112
525.1989	2.2521	525.4135	2.4967	525.6280	2.5992	525.8425	2.0215
525.2040	2.1871	525.4186	2.0251	525.6331	2.5308	525.8477	2.1225
525.2092	2.3680	525.4237	2.1017	525.6382	2.5230	525.8528	1.8259
525.2142	2.2644	525.4288	2.3305	525.6434	2.2058	525.8588	1.8953
525.2193	2.1295	525.4339	2.1328	525.6485	2.3072	525.8639	1.9934
525.2244	1.9428	525.4390	2.3852	525.6536	2.4767	525.8690	2.0339
525.2296	1.9999	525.4441	2.2911	525.6586	2.3000	525.8741	1.9460
525.2347	1.9787	525.4492	2.1135	525.6638	1.9333	525.8792	1.8412
525.2398	2.3948	525.4543	2.2582	525.6689	2.1711	525.8843	1.9893
525.2449	2.5266	525.4595	2.4450	525.6740	2.0275	525.8893	1.7928
525.2499	2.4296	525.4645	2.2949	525.6791	1.9842	525.8945	1.9180
525.2551	2.2986	525.4697	2.4677	525.6842	2.1800	525.8995	2.0677
525.2602	2.2258	525.4747	2.4089	525.6893	2.1191	525.9046	1.8491
525.2653	2.2458	525.4799	2.5418	525.6944	2.0522	525.9097	2.0582
525.2704	2.3051	525.4850	2.5479	525.6995	2.1452	525.9148	2.2147
525.2756	2.3632	525.4901	2.2178	525.7047	2.1485	525.9199	2.1797
525.2806	2.0752	525.4952	2.3112	525.7098	2.3312	525.9250	1.9915
525.2858	2.2984	525.5003	2.0415	525.7148	1.9362	525.9301	2.1549
525.2908	2.1376	525.5054	2.4934	525.7200	2.1350	525.9352	2.0026
525.2960	2.1120	525.5105	2.4102	525.7251	2.1446	525.9403	2.0608
525.3011	2.2859	525.5156	2.4737	525.7302	2.2367	525.9454	2.1343
525.3062	2.4724	525.5208	2.5126	525.7353	1.9572	525.9504	1.7686
525.3113	2.4374	525.5258	2.3105	525.7404	2.1165	525.9556	2.0464
525.3164	2.2351	525.5309	2.5731	525.7455	2.1254	525.9606	1.8545
525.3215	2.2182	525.5361	2.3708	525.7506	1.9336	525.9658	1.8075
525.3266	2.0661	525.5412	2.5835	525.7557	1.8981	525.9708	1.8120
525.3317	2.2759	525.5463	2.5444	525.7608	1.9867	525.9760	1.6913
525.3369	2.0077	525.5514	2.4384	525.7659	2.1215	525.9810	2.0728
525.3419	2.4170	525.5565	2.3905	525.7711	1.9506	525.9861	1.8859
525.3470	2.4554	525.5616	2.5244	525.7761	1.9777	525.9912	1.8119
525.3522	2.2538	525.5667	2.3742	525.7813	1.9078	525.9963	2.0606
525.3573	2.1090	525.5718	2.2722	525.7864	2.0696	526.0014	2.2966
525.3624	2.2098	525.5770	2.2489	525.7915	1.9335	526.0065	1.9960



Table 7. High Resolution Absorption Cross Section from 520–534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
526.0116	2.2917	526.2256	1.9380	526.4395	1.9391	526.6536	1.8910
526.0167	2.0012	526.2307	1.8628	526.4446	2.0160	526.6587	2.0694
526.0217	1.8584	526.2358	2.0250	526.4497	2.0725	526.6638	1.8965
526.0269	2.0832	526.2408	1.8006	526.4548	2.0729	526.6689	1.9094
526.0319	2.1176	526.2460	1.8959	526.4600	1.9339	526.6740	2.1107
526.0371	1.8084	526.2510	1.5955	526.4650	1.8823	526.6791	2.0759
526.0422	2.0451	526.2562	1.8336	526.4702	1.9135	526.6841	2.0229
526.0473	2.0018	526.2612	1.7251	526.4752	2.1283	526.6893	1.8913
526.0524	1.8691	526.2663	1.9482	526.4803	2.3374	526.6943	1.8536
526.0575	2.0461	526.2714	1.7443	526.4854	2.1336	526.6994	1.8823
526.0626	1.8706	526.2765	1.8891	526.4905	2.3324	526.7045	1.9897
526.0676	1.7212	526.2816	2.0017	526.4956	2.0353	526.7096	1.9630
526.0728	1.9643	526.2867	1.9884	526.5007	2.1586	526.7147	1.9497
526.0778	2.5388	526.2918	1.8786	526.5058	2.1581	526.7198	2.0331
526.0829	2.3130	526.2969	1.7849	526.5109	1.8089	526.7249	2.0361
526.0880	2.2070	526.3019	1.8678	526.5160	2.0015	526.7300	2.1736
526.0931	2.0316	526.3071	2.1132	526.5211	1.9108	526.7350	2.4989
526.0982	2.0161	526.3121	1.7680	526.5262	1.9317	526.7402	2.2860
526.1033	2.1339	526.3173	1.9505	526.5313	2.0349	526.7453	2.0668
526.1084	1.9229	526.3223	1.9142	526.5363	2.1062	526.7504	2.0528
526.1135	2.0614	526.3275	1.9086	526.5414	2.0197	526.7555	2.1514
526.1186	2.3477	526.3325	1.9974	526.5465	2.1460	526.7606	2.0130
526.1237	2.4820	526.3376	1.9077	526.5516	1.9402	526.7657	2.1268
526.1288	2.2986	526.3428	1.8469	526.5568	1.9930	526.7708	1.8297
526.1339	2.2538	526.3478	2.0219	526.5619	1.9398	526.7759	2.0759
526.1389	1.8285	526.3530	2.3777	526.5670	1.8051	526.7809	2.1574
526.1440	1.8780	526.3580	1.7862	526.5721	1.7253	526.7861	2.2486
526.1491	1.8772	526.3632	1.9847	526.5771	1.9087	526.7911	1.9211
526.1542	1.7010	526.3682	2.1288	526.5822	2.3356	526.7963	1.8712
526.1593	1.9355	526.3734	2.0982	526.5873	2.3667	526.8013	1.9105
526.1644	1.5986	526.3784	2.1462	526.5924	1.7921	526.8065	1.8934
526.1695	1.9275	526.3835	2.1711	526.5975	1.7950	526.8115	2.0853
526.1746	1.7755	526.3886	2.2923	526.6026	1.8579	526.8166	1.7802
526.1797	1.8834	526.3937	1.9597	526.6077	1.8303	526.8218	1.9594
526.1848	1.9578	526.3988	1.9261	526.6128	2.4221	526.8268	2.0088
526.1899	1.8640	526.4039	1.9443	526.6179	1.9670	526.8320	1.9983
526.1949	1.7080	526.4090	2.0794	526.6230	2.1147	526.8370	2.0665
526.2001	1.6353	526.4141	2.2736	526.6281	2.0448	526.8422	2.0250
526.2052	1.9148	526.4191	2.2165	526.6332	2.2755	526.8472	1.8103
526.2103	1.9953	526.4243	2.0069	526.6382	1.8443	526.8523	1.7398
526.2154	1.8617	526.4293	2.2234	526.6434	2.1688	526.8574	2.0219
526.2205	1.9167	526.4344	1.9749	526.6484	2.0903	526.8625	1.9791



Table 7. High Resolution Absorption Cross Section from 520–534 nm at 296K (cont'd)

526.8676	1.9679	527.0817	1.5231	527.2957	1.3128	527.5099	1.5739
526.8727	2.1153	527.0868	1.5140	527.3009	1.4127	527.5150	1.4630
526.8778	1.7810	527.0919	1.6069	527.3060	1.3025	527.5201	1.5124
526.8829	2.0302	527.0969	1.5983	527.3111	1.3397	527.5252	1.6041
526.8880	2.0466	527.1021	1.5386	527.3162	1.4468	527.5303	1.6665
526.8931	1.7461	527.1071	1.6015	527.3213	1.3849	527.5354	1.6141
526.8981	1.7743	527.1123	1.8618	527.3264	1.4222	527.5405	1.8437
526.9033	1.7980	527.1174	1.4562	527.3314	1.4557	527.5456	1.6093
526.9084	1.7827	527.1225	1.6612	527.3365	1.4764	527.5507	1.9155
526.9135	1.8988	527.1276	1.6780	527.3416	1.5114	527.5558	1.5274
526.9186	1.7332	527.1326	1.6476	527.3467	1.4643	527.5609	1.6718
526.9237	1.7011	527.1378	1.5724	527.3518	1.4286	527.5659	1.5318
526.9288	1.7068	527.1428	1.5551	527.3570	1.4873	527.5710	1.4969
526.9338	1.7347	527.1479	1.4093	527.3621	1.3615	527.5762	1.6097
526.9390	1.6460	527.1530	1.3658	527.3671	1.4971	527.5813	1.5578
526.9440	1.7684	527.1581	1.6723	527.3723	1.3471	527.5864	1.6548
526.9492	1.9162	527.1632	1.6306	527.3773	1.4683	527.5915	1.3660
526.9542	1.6505	527.1683	1.5687	527.3824	1.3844	527.5966	1.5174
526.9594	1.7726	527.1734	1.5462	527.3875	1.4395	527.6016	1.5654
526.9644	1.6696	527.1785	1.4600	527.3926	1.2876	527.6068	1.7450
526.9695	1.8276	527.1837	1.4523	527.3977	1.5979	527.6118	1.6414
526.9747	1.7523	527.1887	1.5924	527.4028	1.5807	527.6169	1.5525
526.9797	1.6655	527.1938	1.7649	527.4079	1.4587	527.6221	1.7885
526.9849	1.6495	527.1989	1.4934	527.4130	1.5680	527.6272	1.6766
526.9899	1.6601	527.2040	1.5196	527.4182	1.4342	527.6323	1.6608
526.9951	1.6651	527.2091	1.6015	527.4232	1.6237	527.6374	1.6693
527.0001	1.7067	527.2142	1.5051	527.4283	1.7590	527.6425	1.7388
527.0052	1.8324	527.2193	1.6710	527.4334	1.4177	527.6475	1.7047
527.0103	1.7870	527.2244	1.4012	527.4385	1.5338	527.6526	1.8410
527.0154	1.7714	527.2295	1.6327	527.4436	1.6047	527.6577	1.6179
527.0205	1.8154	527.2346	1.5167	527.4487	1.4087	527.6628	1.6627
527.0256	1.8653	527.2397	1.6156	527.4538	1.3868	527.6679	1.6729
527.0307	1.8927	527.2448	1.5646	527.4589	1.5764	527.6731	1.8918
527.0358	1.7381	527.2499	1.4402	527.4640	1.4303	527.6782	1.4944
527.0409	1.9098	527.2550	1.4037	527.4691	1.4347	527.6832	1.5372
527.0460	1.8855	527.2601	1.4662	527.4742	1.4584	527.6884	1.6774
527.0511	1.8997	527.2652	1.3051	527.4793	1.4974	527.6934	1.6793
527.0562	1.9072	527.2703	1.3629	527.4844	1.5157	527.6985	1.4237
527.0613	1.9066	527.2754	1.2890	527.4895	1.5846	527.7036	1.4771
527.0664	1.7531	527.2805	1.3480	527.4946	1.4197	527.7087	1.4397
527.0715	1.5520	527.2855	1.3545	527.4997	1.5355	527.7138	1.3677
527.0766	1.6397	527.2906	1.3043	527.5048	1.3905	527.7189	1.5534



Table 7. High Resolution Absorption Cross Section from 520–534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
527.7241	1.4760	527.9382	1.6649	528.1524	1.9822	528.3666	1.5495
527.7291	1.4273	527.9433	1.6923	528.1575	1.6816	528.3717	1.5242
527.7343	1.9331	527.9484	1.6882	528.1626	1.6868	528.3768	1.6885
527.7393	1.6079	527.9536	1.7333	528.1677	1.6512	528.3819	1.2896
527.7444	1.6443	527.9586	1.7291	528.1728	1.5970	528.3870	1.4121
527.7495	1.7737	527.9637	1.7624	528.1779	1.6190	528.3922	1.5868
527.7546	1.6391	527.9688	1.5400	528.1830	1.5844	528.3972	1.4340
527.7597	1.5293	527.9739	1.8017	528.1881	1.5165	528.4023	1.6053
527.7648	1.7350	527.9790	1.5270	528.1932	1.4115	528.4074	1.5836
527.7700	1.6809	527.9841	1.6053	528.1983	1.7706	528.4125	1.4890
527.7750	1.6511	527.9892	1.5151	528.2034	1.9021	528.4176	1.9124
527.7802	1.6824	527.9943	1.5088	528.2085	1.6508	528.4227	1.8313
527.7852	1.4077	527.9994	1.3764	528.2136	1.7491	528.4279	1.8295
527.7903	1.6927	528.0045	1.3576	528.2187	1.7007	528.4329	1.9791
527.7954	1.7059	528.0096	1.5641	528.2238	1.5756	528.4380	1.4631
527.8005	1.5744	528.0147	1.7771	528.2289	1.5623	528.4431	1.4154
527.8056	1.5415	528.0198	1.8592	528.2340	1.7457	528.4482	1.4803
527.8107	1.5975	528.0249	1.6689	528.2391	1.7943	528.4533	1.5875
527.8159	1.7897	528.0300	1.7153	528.2442	1.4807	528.4584	1.7211
527.8209	1.7865	528.0352	1.9382	528.2493	1.4842	528.4636	1.4057
527.8260	1.8309	528.0402	2.0392	528.2544	1.6022	528.4687	1.5019
527.8311	1.5771	528.0453	1.7222	528.2595	2.0387	528.4738	1.5005
527.8362	1.6168	528.0504	1.5640	528.2646	1.6761	528.4788	1.5406
527.8413	1.3840	528.0555	1.7750	528.2697	1.7047	528.4839	1.4772
527.8464	1.6329	528.0606	1.6963	528.2748	1.7631	528.4890	1.2872
527.8515	1.5971	528.0657	1.6291	528.2799	1.6955	528.4941	1.5127
527.8566	1.5365	528.0708	1.6062	528.2850	1.5113	528.4993	1.4843
527.8618	1.6133	528.0759	1.8859	528.2901	1.4870	528.5044	1.4419
527.8668	1.4673	528.0810	1.6175	528.2952	1.7013	528.5095	1.8383
527.8719	1.5322	528.0861	1.5539	528.3003	1.5250	528.5145	1.7672
527.8770	1.4368	528.0912	1.7215	528.3054	1.7435	528.5197	1.7395
527.8821	1.6388	528.0963	1.6376	528.3105	1.7417	528.5247	1.4443
527.8872	1.5840	528.1014	1.6775	528.3156	1.6812	528.5298	1.3893
527.8923	1.7327	528.1065	1.8004	528.3207	1.4781	528.5350	1.6077
527.8974	1.6117	528.1116	1.4831	528.3258	1.4277	528.5401	1.6440
527.9025	1.7687	528.1166	1.7213	528.3309	1.5931	528.5452	1.5955
527.9077	1.5749	528.1218	1.7694	528.3360	1.4203	528.5503	1.4470
527.9127	1.4294	528.1269	1.5978	528.3411	1.4508	528.5554	1.3414
527.9178	1.9842	528.1320	1.8120	528.3462	1.5546	528.5604	1.4764
527.9229	1.7752	528.1371	1.6326	528.3513	1.5008	528.5656	1.5125
527.9280	1.9640	528.1422	1.9904	528.3564	1.3306	528.5707	1.4543
527.9331	1.5635	528.1473	2.2721	528.3615	1.3983	528.5758	1.6281



Table 7. High Resolution Absorption Cross Section from 520–534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
528.5809	1.5000	528.7951	1.3893	529.0095	1.4086	529.2238	1.3799
528.5860	1.6948	528.8002	1.4156	529.0145	1.2936	529.2288	1.4570
528.5911	1.5644	528.8054	1.5673	529.0197	1.5072	529.2340	1.3294
528.5961	1.6415	528.8105	1.3783	529.0248	1.4917	529.2391	1.3013
528.6013	1.3374	528.8156	1.3605	529.0298	1.4726	529.2442	1.4187
528.6064	1.3869	528.8207	1.2916	529.0350	1.3905	529.2493	1.5549
528.6115	1.4927	528.8257	1.2910	529.0400	1.6220	529.2544	1.6256
528.6166	1.3079	528.8308	1.5416	529.0452	1.2735	529.2595	1.7500
528.6217	1.2434	528.8360	1.3409	529.0502	1.3834	529.2646	1.4641
528.6268	1.3520	528.8411	1.2865	529.0554	1.3313	529.2697	1.4326
528.6318	1.3568	528.8462	1.3216	529.0605	1.3647	529.2748	1.4820
528.6370	1.2914	528.8513	1.3004	529.0656	1.3863	529.2799	1.2336
528.6421	1.3089	528.8564	1.2811	529.0707	1.3622	529.2850	1.3039
528.6472	1.4266	528.8615	1.3600	529.0757	1.2836	529.2902	1.4102
528.6523	1.4321	528.8666	1.4455	529.0809	1.5241	529.2952	1.2235
528.6574	1.5827	528.8717	1.5427	529.0860	1.3647	529.3004	1.2096
528.6625	1.7168	528.8768	1.5030	529.0911	1.4669	529.3054	1.4815
528.6676	1.7668	528.8819	1.2903	529.0962	1.4288	529.3105	1.3955
528.6727	1.6466	528.8870	1.4077	529.1013	1.3185	529.3156	1.4430
528.6778	1.3666	528.8921	1.3439	529.1064	1.5326	529.3207	1.7136
528.6829	1.4644	528.8972	1.2036	529.1115	1.4806	529.3259	1.4127
528.6880	1.3733	528.9023	1.2837	529.1166	1.5648	529.3309	1.5587
528.6931	1.3873	528.9074	1.4396	529.1217	1.3313	529.3361	1.2550
528.6982	1.3498	528.9125	1.5250	529.1268	1.3113	529.3411	1.2916
528.7033	1.3614	528.9176	1.3458	529.1319	1.1742	529.3463	1.4769
528.7084	1.4403	528.9227	1.3386	529.1370	1.1833	529.3514	1.4274
528.7135	1.5047	528.9278	1.1475	529.1421	1.4378	529.3564	1.5853
528.7186	1.5637	528.9329	1.3029	529.1472	1.2382	529.3616	1.4750
528.7237	1.5522	528.9380	1.3276	529.1523	1.6715	529.3666	1.2311
528.7288	1.5185	528.9431	1.3858	529.1574	1.3802	529.3718	1.4858
528.7339	1.5610	528.9482	1.3767	529.1625	1.4925	529.3769	1.4658
528.7391	1.4753	528.9533	1.5173	529.1676	1.5627	529.3820	1.4773
528.7441	1.7414	528.9584	1.5124	529.1728	1.3278	529.3871	1.4707
528.7492	1.2619	528.9636	1.4717	529.1779	1.3210	529.3922	1.3044
528.7543	1.5315	528.9686	1.4548	529.1830	1.2830	529.3973	1.2839
528.7594	1.3253	528.9738	1.5893	529.1880	1.5551	529.4024	1.4051
528.7645	1.2276	528.9788	1.4004	529.1931	1.3344	529.4075	1.7117
528.7696	1.4782	528.9839	1.6009	529.1982	1.4474	529.4126	1.4073
528.7748	1.4984	528.9890	1.2304	529.2034	1.3201	529.4177	1.3705
528.7798	1.4664	528.9941	1.2905	529.2085	1.3302	529.4228	1.4591
528.7850	1.8394	528.9993	1.5049	529.2136	1.5043	529.4279	1.4806
528.7900	1.3874	529.0043	1.3108	529.2187	1.4332	529.4330	1.4221



Table 7. High Resolution Absorption Cross Section from 520–534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
529.4381	1.5322	529.6525	1.2519	529.8669	1.2640	530.0813	1.4887
529.4432	1.5858	529.6576	1.2803	529.8720	1.3654	530.0865	1.3013
529.4483	1.5153	529.6627	1.3194	529.8771	1.3320	530.0916	1.2920
529.4534	1.6203	529.6678	1.2443	529.8822	1.4075	530.0966	1.3184
529.4586	1.2267	529.6729	1.1841	529.8873	1.2888	530.1017	1.3957
529.4636	1.3476	529.6780	1.1945	529.8925	1.3535	530.1069	1.5245
529.4688	1.2982	529.6831	1.1963	529.8975	1.3205	530.1120	1.3774
529.4738	1.4550	529.6882	1.1689	529.9026	1.2412	530.1171	1.4104
529.4789	1.5295	529.6934	1.1187	529.9077	1.3385	530.1222	1.9135
529.4841	1.4570	529.6985	1.2481	529.9128	1.3488	530.1273	1.5753
529.4892	1.5215	529.7036	1.1487	529.9180	1.3384	530.1324	1.4273
529.4943	1.4710	529.7086	1.0644	529.9231	1.2415	530.1375	1.4146
529.4994	1.2458	529.7137	1.0738	529.9282	1.2979	530.1426	1.3494
529.5045	1.6416	529.7189	1.2607	529.9333	1.1727	530.1477	1.3582
529.5096	1.2352	529.7240	1.2428	529.9384	1.1750	530.1528	1.4642
529.5147	1.3557	529.7291	1.3872	529.9435	1.3165	530.1580	1.3827
529.5198	1.2998	529.7342	1.3444	529.9486	1.5403	530.1630	1.4214
529.5249	1.3001	529.7393	1.2292	529.9537	1.5630	530.1682	1.4249
529.5300	1.4829	529.7444	1.2026	529.9588	1.5990	530.1732	1.4199
529.5352	1.7060	529.7495	1.1859	529.9639	1.5030	530.1783	1.3488
529.5402	1.5529	529.7546	1.2767	529.9691	1.5609	530.1835	1.3567
529.5453	1.3000	529.7597	1.3451	529.9741	1.5299	530.1885	1.4726
529.5504	1.3729	529.7648	1.3784	529.9792	1.6341	530.1937	1.3728
529.5555	1.5182	529.7700	1.2131	529.9843	1.3934	530.1987	1.3777
529.5606	1.5275	529.7750	1.1994	529.9894	1.4682	530.2039	1.4843
529.5657	1.5220	529.7801	1.2877	529.9946	1.4932	530.2090	1.4528
529.5709	1.3101	529.7852	1.3448	529.9996	1.4695	530.2141	1.2484
529.5759	1.4439	529.7903	1.2960	530.0048	1.2369	530.2192	1.3819
529.5810	1.4311	529.7955	1.4130	530.0098	1.1813	530.2243	1.5995
529.5861	1.5612	529.8005	1.2803	530.0150	1.2601	530.2294	1.3446
529.5912	1.4096	529.8057	1.3600	530.0201	1.2753	530.2345	1.5368
529.5964	1.5041	529.8107	1.2965	530.0251	1.2037	530.2396	1.2463
529.6014	1.4811	529.8159	1.2975	530.0303	1.3936	530.2447	1.3463
529.6066	1.2978	529.8210	1.3028	530.0353	1.3734	530.2499	1.4429
529.6116	1.2108	529.8260	1.2388	530.0405	1.3278	530.2549	1.4412
529.6168	1.2497	529.8312	1.3906	530.0456	1.5042	530.2600	1.2418
529.6219	1.2181	529.8362	1.2938	530.0507	1.5299	530.2651	1.3589
529.6270	1.3712	529.8414	1.4037	530.0558	1.4577	530.2703	1.3324
529.6321	1.1032	529.8465	1.3851	530.0609	1.5244	530.2754	1.5973
529.6371	1.2265	529.8516	1.2541	530.0660	1.2503	530.2805	1.5245
529.6423	1.2634	529.8567	1.3214	530.0711	1.3763	530.2856	1.4042
529.6474	1.3294	529.8618	1.2867	530.0762	1.4359	530.2907	1.6296



Table 7. High Resolution Absorption Cross Section from 520-534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
530.2958	1.5601	530.5103	1.5815	530.7248	1.3653	530.9393	1.3461
530.3000	1.5916	530.5154	1.6554	530.7299	1.4260	530.9445	1.3856
530.3060	1.5309	530.5205	1.5829	530.7350	1.2811	530.9495	1.2984
530.3111	1.4952	530.5256	1.4413	530.7401	1.2252	530.9547	1.3318
530.3162	1.6547	530.5307	1.5036	530.7452	1.4418	530.9597	1.4548
530.3214	1.7630	530.5358	1.6826	530.7503	1.3357	530.9649	1.4086
530.3264	1.5895	530.5409	1.7552	530.7554	1.3931	530.9700	1.3847
530.3315	1.5225	530.5460	1.5796	530.7605	1.3666	530.9750	1.3902
530.3367	1.5702	530.5511	1.4871	530.7657	1.4271	530.9802	1.3722
530.3417	1.3835	530.5563	1.5258	530.7708	1.3555	530.9853	1.3075
530.3469	1.3963	530.5613	1.3834	530.7758	1.3916	530.9904	1.5710
530.3519	1.4149	530.5665	1.3637	530.7809	1.2114	530.9955	1.4704
530.3571	1.4970	530.5715	1.4908	530.7861	1.3630	531.0006	1.3623
530.3622	1.4509	530.5767	1.3941	530.7912	1.3845	531.0057	1.3194
530.3673	1.6262	530.5818	1.6070	530.7963	1.4337	531.0108	1.3631
530.3724	1.6159	530.5869	1.4502	530.8014	1.2133	531.0159	1.2750
530.3774	1.7438	530.5920	1.5255	530.8065	1.3160	531.0211	1.3400
530.3826	1.8685	530.5971	1.5587	530.8116	1.3989	531.0262	1.3597
530.3877	1.6871	530.6022	1.7097	530.8167	1.2836	531.0313	1.2676
530.3928	1.6610	530.6073	1.6626	530.8218	1.3288	531.0364	1.4208
530.3979	1.5411	530.6124	1.4223	530.8270	1.5211	531.0415	1.5773
530.4031	1.3851	530.6176	1.3830	530.8320	1.3829	531.0466	1.3646
530.4081	1.4428	530.6226	1.4633	530.8372	1.4977	531.0517	1.4734
530.4132	1.3127	530.6277	1.6678	530.8422	1.3704	531.0568	1.3796
530.4183	1.4881	530.6328	1.7226	530.8474	1.5403	531.0620	1.3164
530.4235	1.6169	530.6380	1.7213	530.8525	1.5968	531.0670	1.1755
530.4286	1.4738	530.6431	1.7727	530.8575	1.3528	531.0721	1.3694
530.4337	1.4760	530.6482	1.6666	530.8627	1.3580	531.0772	1.2832
530.4388	1.5333	530.6533	1.7805	530.8678	1.2740	531.0824	1.5885
530.4438	1.5728	530.6584	1.6745	530.8729	1.3776	531.0875	1.4241
530.4490	1.6197	530.6635	1.5956	530.8780	1.2807	531.0925	1.5299
530.4541	1.6898	530.6686	1.7807	530.8832	1.3839	531.0977	1.8632
530.4592	1.6372	530.6737	1.5888	530.8882	1.3908	531.1028	1.6602
530.4643	1.6101	530.6788	1.5531	530.8933	1.3607	531.1079	1.4011
530.4694	1.6102	530.6840	1.7532	530.8984	1.4228	531.1130	1.3799
530.4745	1.6209	530.6890	1.5443	530.9036	1.3490	531.1182	1.4686
530.4796	1.5072	530.6941	1.4900	530.9087	1.4868	531.1232	1.2687
530.4847	1.6329	530.6992	1.6095	530.9138	1.3857	531.1283	1.2388
530.4899	1.8668	530.7043	1.5524	530.9189	1.3617	531.1334	1.5197
530.4949	1.5833	530.7095	1.4254	530.9240	1.3522	531.1385	1.4078
530.5001	1.5215	530.7145	1.5047	530.9291	1.2196	531.1437	1.4311
530.5051	1.6729	530.7197	1.5512	530.9342	1.5097	531.1487	1.3448



Table 7. High Resolution Absorption Cross Section from 520–534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
531.1539	1.1731	531.3727	1.3529	531.5872	1.3038	531.8011	1.4770
531.1590	1.3222	531.3779	1.4861	531.5923	1.3767	531.8063	1.5834
531.1641	1.3032	531.3830	1.3552	531.5974	1.4417	531.8113	1.6315
531.1692	1.4982	531.3881	1.4681	531.6025	1.4263	531.8165	1.3151
531.1743	1.4374	531.3932	1.4618	531.6075	1.3870	531.8215	1.5862
531.1794	1.4405	531.3983	1.5021	531.6127	1.4467	531.8267	1.6762
531.1845	1.2734	531.4034	1.4321	531.6177	1.4832	531.8317	1.4941
531.1896	1.4900	531.4085	1.4352	531.6229	1.3774	531.8367	1.5861
531.1948	1.4596	531.4136	1.4940	531.6280	1.5031	531.8419	1.4959
531.1999	1.4374	531.4188	1.4648	531.6331	1.5139	531.8469	1.5446
531.2050	1.3693	531.4238	1.4643	531.6382	1.5086	531.8521	1.3265
531.2100	1.3979	531.4290	1.5447	531.6432	1.4416	531.8571	1.3982
531.2152	1.3780	531.4341	1.5383	531.6484	1.3543	531.8622	1.3444
531.2203	1.5105	531.4391	1.4856	531.6534	1.4334	531.8673	1.4531
531.2254	1.3167	531.4443	1.3896	531.6585	1.5332	531.8724	1.5434
531.2305	1.4431	531.4494	1.4694	531.6636	1.5631	531.8775	1.4882
531.2357	1.3995	531.4545	1.5068	531.6687	1.5549	531.8826	1.6265
531.2407	1.3640	531.4596	1.3687	531.6738	1.5079	531.8876	1.6406
531.2458	1.3571	531.4647	1.5690	531.6789	1.4403	531.8928	1.4946
531.2510	1.2435	531.4698	1.4379	531.6840	1.4996	531.8978	1.5322
531.2560	1.3983	531.4749	1.6248	531.6891	1.4491	531.9029	1.5065
531.2612	1.3891	531.4800	1.5298	531.6942	1.5578	531.9080	1.5541
531.2662	1.4060	531.4851	1.6092	531.6993	1.4161	531.9131	1.5431
531.2714	1.4412	531.4902	1.6209	531.7044	1.6171	531.9182	1.4733
531.2765	1.3774	531.4953	1.4712	531.7095	1.4706	531.9233	1.7171
531.2816	1.3847	531.5004	1.5790	531.7146	1.4439	531.9283	1.5313
531.2867	1.5291	531.5055	1.5515	531.7197	1.2996	531.9335	1.5202
531.2918	1.5184	531.5106	1.2895	531.7247	1.3116	531.9385	1.4403
531.2969	1.4392	531.5157	1.3699	531.7299	1.3749	531.9436	1.4147
531.3020	1.4287	531.5208	1.3411	531.7349	1.6148	531.9487	1.4838
531.3072	1.3716	531.5259	1.4571	531.7401	1.3802	531.9538	1.3739
531.3123	1.5066	531.5310	1.4060	531.7451	1.3548	531.9589	1.3369
531.3174	1.5431	531.5361	1.4455	531.7502	1.4887	531.9640	1.5372
531.3224	1.5178	531.5413	1.3740	531.7553	1.6250	531.9691	1.4684
531.3276	1.3444	531.5463	1.4044	531.7604	1.5628	531.9741	1.5114
531.3327	1.5564	531.5515	1.3543	531.7655	1.5622	531.9792	1.4676
531.3378	1.5948	531.5565	1.3678	531.7706	1.5494	531.9843	1.4826
531.3429	1.5651	531.5616	1.2646	531.7757	1.7578	531.9894	1.3930
531.3523	1.4167	531.5668	1.3643	531.7808	1.6851	531.9944	1.3242
531.3574	1.6061	531.5718	1.3043	531.7859	1.7478	531.9996	1.4851
531.3625	1.5760	531.5770	1.3717	531.7910	1.6606	532.0046	1.5848
531.3676	1.5848	531.5820	1.3368	531.7961	1.6584	532.0097	1.5058



Table 7. High Resolution Absorption Cross Section from 520–534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
532.0148	1.4116	532.2280	1.4450	532.4409	1.4888	532.6533	1.6526
532.0199	1.5844	532.2331	1.6462	532.4459	1.5184	532.6584	1.7337
532.0249	1.4510	532.2382	1.4534	532.4510	1.3665	532.6635	1.7846
532.0300	1.6304	532.2432	1.4441	532.4561	1.4103	532.6685	1.7678
532.0351	1.5249	532.2483	1.4080	532.4611	1.6139	532.6736	1.7770
532.0402	1.4635	532.2534	1.4630	532.4662	1.6436	532.6786	1.6441
532.0452	1.4835	532.2584	1.5289	532.4713	1.4088	532.6837	1.6714
532.0504	1.4707	532.2635	1.5387	532.4763	1.4285	532.6887	1.4914
532.0554	1.3492	532.2686	1.5442	532.4814	1.4137	532.6938	1.6566
532.0605	1.3617	532.2737	1.5145	532.4865	1.4758	532.6989	1.4938
532.0656	1.5447	532.2787	1.5640	532.4915	1.5703	532.7039	1.5230
532.0707	1.4547	532.2838	1.5780	532.4966	1.6090	532.7089	1.4908
532.0757	1.5472	532.2889	1.6082	532.5016	1.6302	532.7140	1.5071
532.0808	1.3244	532.2939	1.3982	532.5067	1.6119	532.7191	1.3678
532.0859	1.4972	532.2990	1.4925	532.5117	1.5326	532.7241	1.4873
532.0909	1.5501	532.3041	1.4404	532.5168	1.5482	532.7291	1.6081
532.0961	1.5020	532.3091	1.5118	532.5219	1.7755	532.7342	1.6863
532.1011	1.5136	532.3142	1.4167	532.5269	1.7440	532.7393	1.7093
532.1062	1.6095	532.3193	1.6420	532.5320	1.8209	532.7443	1.7477
532.1113	1.3388	532.3243	1.4628	532.5370	1.7194	532.7494	1.8725
532.1164	1.5728	532.3294	1.5061	532.5421	1.7974	532.7544	1.6951
532.1215	1.4033	532.3345	1.7529	532.5472	2.0163	532.7595	1.9179
532.1265	1.4039	532.3396	1.8311	532.5522	1.7156	532.7645	1.6989
532.1316	1.4087	532.3447	1.5339	532.5573	1.7107	532.7695	1.6852
532.1367	1.5047	532.3497	1.6256	532.5624	1.5690	532.7745	1.8821
532.1418	1.5045	532.3548	1.6226	532.5674	1.4249	532.7796	1.6598
532.1469	1.5924	532.3599	1.6208	532.5724	1.6225	532.7847	1.5497
532.1519	1.5304	532.3649	1.5583	532.5775	1.7149	532.7897	1.8262
532.1570	1.4901	532.3700	1.7126	532.5825	1.6215	532.7947	1.7128
532.1620	1.6808	532.3751	1.7862	532.5876	1.5840	532.7998	1.6497
532.1672	1.6394	532.3801	1.6827	532.5927	1.5525	532.8049	1.8058
532.1722	1.4513	532.3852	1.7061	532.5977	1.5524	532.8099	1.6923
532.1773	1.5353	532.3903	1.7521	532.6028	1.5509	532.8149	1.4629
532.1824	1.4272	532.3953	1.7194	532.6078	1.5363	532.8200	1.4862
532.1874	1.4911	532.4003	1.5562	532.6129	1.5831	532.8251	1.5031
532.1925	1.4597	532.4054	1.5780	532.6179	1.4736	532.8301	1.3337
532.1976	1.4311	532.4105	1.5415	532.6230	1.5253	532.8351	1.4783
532.2027	1.3817	532.4155	1.5734	532.6281	1.4989	532.8402	1.4167
532.2077	1.5001	532.4206	1.3441	532.6331	1.4891	532.8452	1.4910
532.2128	1.6668	532.4257	1.6282	532.6382	1.3687	532.8503	1.5299
532.2178	1.5843	532.4307	1.4533	532.6432	1.3897	532.8553	1.3893
532.2229	1.4599	532.4358	1.6265	532.6483	1.6076	532.8604	1.6122



Table 7. High Resolution Absorption Cross Section from 520-534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
532.8654	1.4915	533.0771	1.4853	533.2885	1.4185	533.4993	1.4824
532.8705	1.4352	533.0822	1.6087	533.2935	1.5804	533.5044	1.4574
532.8755	1.4314	533.0872	1.4159	533.2985	1.5804	533.5094	1.6152
532.8806	1.3704	533.0922	1.4816	533.3035	1.6216	533.5144	1.4997
532.8856	1.5937	533.0973	1.4107	533.3086	1.5588	533.5194	1.5270
532.8907	1.7553	533.1024	1.6012	533.3136	1.4812	533.5244	1.4221
532.8957	1.5050	533.1074	1.5342	533.3186	1.5819	533.5295	1.4156
532.9008	1.4514	533.1124	1.4754	533.3236	1.5566	533.5345	1.4178
532.9058	1.5388	533.1174	1.4369	533.3286	1.6738	533.5395	1.4509
532.9108	1.5615	533.1225	1.5519	533.3337	1.5575	533.5445	1.3838
532.9159	1.6997	533.1275	1.4555	533.3387	1.5403	533.5496	1.5083
532.9210	1.6715	533.1325	1.4078	533.3437	1.5793	533.5546	1.3934
532.9260	1.5503	533.1375	1.4629	533.3488	1.7444	533.5596	1.4419
532.9310	1.5539	533.1426	1.4656	533.3538	1.4586	533.5646	1.4286
532.9360	1.6164	533.1476	1.5510	533.3588	1.6904	533.5696	1.3762
532.9411	1.5559	533.1526	1.3747	533.3638	1.4995	533.5746	1.5053
532.9462	1.5544	533.1577	1.3909	533.3688	1.6783	533.5797	1.3467
532.9511	1.5515	533.1627	1.4275	533.3738	1.7200	533.5847	1.3431
532.9562	1.5175	533.1677	1.4086	533.3789	1.5956	533.5897	1.4330
532.9612	1.5744	533.1727	1.3278	533.3839	1.5578	533.5947	1.4017
532.9662	1.4990	533.1778	1.4718	533.3889	1.5570	533.5997	1.2697
532.9713	1.5773	533.1828	1.6024	533.3940	1.6281	533.6047	1.3273
532.9763	1.5481	533.1879	1.4746	533.3990	1.4688	533.6097	1.3098
532.9814	1.6077	533.1929	1.5623	533.4040	1.5813	533.6147	1.4316
532.9865	1.5577	533.1979	1.2608	533.4090	1.7281	533.6198	1.4291
532.9915	1.5949	533.2029	1.4510	533.4141	1.5743	533.6248	1.3611
532.9965	1.4371	533.2080	1.4134	533.4191	1.8199	533.6298	1.3368
533.0015	1.6331	533.2130	1.4092	533.4241	1.8031	533.6348	1.4090
533.0066	1.7211	533.2181	1.2983	533.4291	1.6841	533.6398	1.3885
533.0117	1.4679	533.2231	1.3900	533.4341	1.5108	533.6448	1.3430
533.0167	1.4141	533.2281	1.3993	533.4391	1.5092	533.6498	1.3571
533.0217	1.6461	533.2332	1.4355	533.4442	1.4680	533.6548	1.3645
533.0267	1.4715	533.2382	1.5801	533.4492	1.4808	533.6599	1.3408
533.0318	1.5614	533.2432	1.5403	533.4542	1.4748	533.6649	1.2059
533.0368	1.5045	533.2482	1.4413	533.4592	1.5979	533.6699	1.2463
533.0419	1.4542	533.2532	1.5178	533.4643	1.6230	533.6749	1.1873
533.0469	1.3255	533.2583	1.4325	533.4693	1.4593	533.6799	1.2203
533.0519	1.5228	533.2633	1.3394	533.4743	1.4636	533.6849	1.2624
533.0570	1.3720	533.2684	1.6220	533.4793	1.4552	533.6899	1.1815
533.0620	1.4531	533.2734	1.3778	533.4844	1.3951	533.6949	1.1557
533.0671	1.3986	533.2784	1.5181	533.4894	1.5640	533.6999	1.2806
533.0721	1.5522	533.2834	1.2745	533.4944	1.3378	533.7049	1.2202



Table 7. High Resolution Absorption Cross Section from 520–534 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
533.7099	1.1299	533.8201	1.3910	533.9301	1.2063	534.0350	1.4579
533.7149	1.1457	533.8251	1.4118	533.9351	1.2747	534.0400	1.3119
533.7199	1.2814	533.8301	1.4362	533.9401	1.3034	534.0450	1.2725
533.7249	1.3495	533.8351	1.3481	533.9451	1.2455	534.0500	1.3054
533.7299	1.2970	533.8401	1.2351	533.9501	1.2255	534.0550	1.3616
533.7349	1.2479	533.8451	1.3017	533.9551	1.2955	534.0599	1.3013
533.7400	1.2758	533.8501	1.2460	533.9601	1.3328	534.0649	1.2600
533.7450	1.2900	533.8551	1.2767	533.9651	1.3716	534.0699	1.3729
533.7500	1.3418	533.8601	1.2492	533.9701	1.3026	534.0750	1.2221
533.7550	1.3459	533.8651	1.2407	533.9751	1.3309	534.0800	1.2502
533.7600	1.2028	533.8701	1.3094	533.9801	1.3826	534.0850	1.2943
533.7650	1.3168	533.8751	1.3227	533.9850	1.1525	534.0899	1.2506
533.7700	1.2717	533.8801	1.3901	533.9901	1.3440	534.0949	1.4855
533.7750	1.2577	533.8851	1.2623	533.9951	1.3140	534.0999	1.3632
533.7800	1.2785	533.8901	1.3252	534.0001	1.3150	534.1049	1.4418
533.7850	1.4422	533.8951	1.2872	534.0051	1.2843	534.1099	1.3239
533.7900	1.2699	533.9001	1.3936	534.0101	1.1880	534.1149	1.4459
533.7950	1.3740	533.9051	1.3184	534.0151	1.2656	534.1199	1.3622
533.8000	1.2982	533.9101	1.3141	534.0201	1.3001	534.1249	1.3606
533.8051	1.2865	533.9151	1.4574	534.0250	1.2860	534.1299	1.4240
533.8101	1.3559	533.9201	1.2178	534.0300	1.2432	534.1349	1.3930
533.8151	1.2504	533.9251	1.2794				



Table 8. High Resolution Absorption Cross Section from 520-534 nm at 573K

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
469.9821	3.0989	470.1955	3.2051	470.4089	3.1081	470.6223	3.1776
469.9872	3.0952	470.2006	3.2461	470.4140	3.1695	470.6273	3.1836
469.9923	3.1329	470.2057	3.2262	470.4190	3.1772	470.6324	3.1865
469.9974	3.1668	470.2108	3.2203	470.4241	3.2426	470.6375	3.2058
470.0025	3.0984	470.2159	3.1790	470.4292	3.2538	470.6426	3.2664
470.0076	3.1439	470.2209	3.1111	470.4343	3.2362	470.6476	3.2875
470.0126	3.1260	470.2260	3.0757	470.4394	3.2900	470.6527	3.2100
470.0177	3.1467	470.2311	3.1240	470.4445	3.3800	470.6578	3.2225
470.0228	3.1936	470.2362	3.0686	470.4495	3.3942	470.6629	3.1728
470.0279	3.1659	470.2412	3.0804	470.4546	3.4147	470.6680	3.1730
470.0330	3.1569	470.2463	3.1315	470.4597	3.4044	470.6731	3.0865
470.0381	3.2797	470.2514	3.1179	470.4648	3.4003	470.6781	3.1136
470.0431	3.2371	470.2565	3.1366	470.4698	3.4171	470.6832	3.1262
470.0482	3.2571	470.2616	3.1342	470.4749	3.3644	470.6883	3.1133
470.0533	3.2996	470.2666	3.1031	470.4800	3.3214	470.6934	3.0561
470.0583	3.2825	470.2717	3.1052	470.4851	3.3469	470.6985	3.0251
470.0634	3.2619	470.2768	3.0841	470.4902	3.3633	470.7035	3.0596
470.0685	3.2366	470.2819	3.1010	470.4952	3.3589	470.7086	3.0940
470.0736	3.1989	470.2870	3.0755	470.5003	3.2849	470.7137	3.1156
470.0787	3.1153	470.2921	3.0238	470.5054	3.2676	470.7188	3.1331
470.0838	3.1362	470.2971	3.0835	470.5105	3.3670	470.7238	3.1143
470.0888	3.1816	470.3022	3.0506	470.5156	3.3143	470.7289	3.0708
470.0939	3.1654	470.3073	3.0908	470.5207	3.3667	470.7340	3.0657
470.0990	3.2042	470.3124	3.0250	470.5257	3.3631	470.7391	3.0150
470.1041	3.1669	470.3174	3.0801	470.5308	3.3644	470.7442	3.0020
470.1092	3.1537	470.3225	3.0644	470.5359	3.2968	470.7493	3.0077
470.1143	3.1806	470.3276	3.0549	470.5410	3.3467	470.7543	3.0729
470.1193	3.1485	470.3327	3.0667	470.5461	3.2381	470.7594	3.0360
470.1244	3.2136	470.3378	3.0229	470.5511	3.2301	470.7645	3.1303
470.1295	3.1437	470.3428	3.0755	470.5562	3.2470	470.7696	3.0936
470.1346	3.1431	470.3479	3.0663	470.5613	3.2467	470.7747	3.0714
470.1396	3.1422	470.3530	3.0452	470.5664	3.2154	470.7797	3.0713
470.1447	3.1755	470.3581	3.1030	470.5714	3.1952	470.7848	3.1588
470.1498	3.1904	470.3632	3.0665	470.5765	3.2355	470.7899	3.1661
470.1549	3.2197	470.3683	3.0254	470.5816	3.2022	470.7950	3.0748
470.1600	3.1694	470.3733	3.0898	470.5867	3.2391	470.8000	3.0350
470.1650	3.2472	470.3784	3.0909	470.5918	3.1695	470.8051	3.0880
470.1701	3.2114	470.3835	3.1283	470.5969	3.2279	470.8102	3.0359
470.1752	3.1698	470.3886	3.0568	470.6019	3.2000	470.8153	3.0451
470.1803	3.1962	470.3936	3.1259	470.6070	3.2209	470.8204	2.9765
470.1854	3.1902	470.3987	3.1421	470.6121	3.1863	470.8255	3.0005
470.1905	3.2195	470.4038	3.1456	470.6172	3.1476	470.8305	3.0606



Table 8. High Resolution Absorption Cross Section from 520-534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
470.8356	3.0755	471.0490	2.9762	471.2624	2.7899	471.4757	3.0226
470.8407	2.9821	471.0541	2.9617	471.2674	2.8687	471.4808	2.9321
470.8458	3.0816	471.0591	2.9596	471.2725	2.8145	471.4859	2.9935
470.8509	3.0599	471.0642	2.9757	471.2776	2.7524	471.4910	2.9074
470.8559	3.0455	471.0693	2.9947	471.2827	2.7664	471.4960	2.9201
470.8610	3.0478	471.0744	3.0437	471.2878	2.7652	471.5011	2.8947
470.8661	3.0274	471.0795	3.0090	471.2928	2.7968	471.5062	2.9301
470.8712	3.1108	471.0845	2.9527	471.2979	2.7667	471.5113	2.9149
470.8763	3.0143	471.0896	2.9321	471.3030	2.7432	471.5164	2.8850
470.8813	2.9970	471.0947	3.0120	471.3081	2.7641	471.5214	2.9053
470.8864	3.0059	471.0998	3.0215	471.3131	2.7822	471.5265	2.9068
470.8915	2.9437	471.1049	2.9720	471.3182	2.7649	471.5316	2.9374
470.8966	2.9359	471.1100	2.9889	471.3233	2.7928	471.5367	2.9342
470.9017	2.9449	471.1150	2.9900	471.3284	2.8124	471.5417	2.9815
470.9067	2.9554	471.1201	3.0455	471.3335	2.8659	471.5468	2.9810
470.9118	3.0780	471.1252	3.0126	471.3386	2.8612	471.5519	2.9152
470.9169	3.0423	471.1303	2.9762	471.3436	2.8413	471.5570	2.9485
470.9220	3.0506	471.1353	3.0198	471.3487	2.8828	471.5621	2.9229
470.9271	3.0367	471.1404	2.9845	471.3538	2.8840	471.5671	2.9246
470.9321	3.0683	471.1455	2.9875	471.3589	2.8524	471.5722	2.8514
470.9372	3.0819	471.1506	2.9534	471.3640	2.8148	471.5773	2.8407
470.9423	3.0190	471.1557	3.0060	471.3690	2.8628	471.5824	2.8394
470.9474	3.0447	471.1607	2.9764	471.3741	2.8759	471.5875	2.8982
470.9525	3.0116	471.1658	3.0020	471.3792	2.8578	471.5926	2.8264
470.9576	2.9886	471.1709	3.0169	471.3843	2.8271	471.5976	2.8107
470.9626	2.9412	471.1760	3.0427	471.3893	2.8411	471.6027	2.8067
470.9677	2.9403	471.1811	2.9562	471.3944	2.8446	471.6078	2.8317
470.9728	2.9109	471.1862	2.9203	471.3995	2.8467	471.6129	2.7971
470.9779	2.8558	471.1912	2.9240	471.4046	2.8619	471.6180	2.7958
470.9829	2.8719	471.1963	2.9459	471.4097	2.8638	471.6230	2.8290
470.9880	2.8259	471.2014	3.0023	471.4148	2.9190	471.6281	2.8802
470.9931	2.8540	471.2065	2.8849	471.4198	2.8834	471.6332	2.8594
470.9982	2.8778	471.2115	2.8980	471.4249	2.9100	471.6383	2.9142
471.0033	2.8915	471.2166	2.8694	471.4300	2.9280	471.6433	2.9066
471.0083	2.8795	471.2217	2.8938	471.4351	2.8624	471.6484	2.8881
471.0134	2.9193	471.2268	2.8914	471.4402	2.9067	471.6535	2.9509
471.0185	2.9744	471.2319	2.8361	471.4452	2.9049	471.6586	2.8869
471.0236	2.9367	471.2369	2.8394	471.4503	2.9199	471.6637	2.9307
471.0287	2.9459	471.2420	2.8072	471.4554	2.9091	471.6688	2.8956
471.0338	2.9032	471.2471	2.8044	471.4605	2.9403	471.6738	2.9905
471.0388	2.9211	471.2522	2.7735	471.4655	2.9956	471.6789	2.9344
471.0439	2.9140	471.2573	2.7620	471.4706	2.9754	471.6840	2.9765



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
471.6891	2.9753	471.9024	3.1459	472.1158	3.0458	472.3295	3.0545
471.6942	2.9954	471.9075	3.1197	472.1209	3.0611	472.3345	3.0941
471.6992	3.0205	471.9126	3.1349	472.1260	3.0481	472.3396	3.0419
471.7043	3.0471	471.9177	3.2117	472.1310	3.0633	472.3446	2.9643
471.7094	3.0393	471.9228	3.1824	472.1361	3.0678	472.3497	3.0490
471.7145	3.1346	471.9279	3.1478	472.1412	3.0212	472.3547	2.9969
471.7195	3.1466	471.9329	3.1756	472.1463	3.0407	472.3598	2.9322
471.7246	3.1179	471.9380	3.2502	472.1514	3.0767	472.3648	2.9651
471.7297	3.0318	471.9431	3.2160	472.1564	3.0662	472.3699	2.9309
471.7348	3.1194	471.9482	3.2108	472.1615	3.0166	472.3749	2.9912
471.7399	3.0306	471.9532	3.1824	472.1666	3.0840	472.3800	2.9267
471.7450	3.0390	471.9583	3.1723	472.1717	3.0490	472.3850	3.0015
471.7500	3.0195	471.9634	3.1853	472.1768	3.0452	472.3901	2.9687
471.7551	3.0211	471.9685	3.1486	472.1819	3.1204	472.3952	3.0146
471.7602	3.0924	471.9736	3.1635	472.1869	3.0751	472.4002	2.9800
471.7653	3.0701	471.9786	3.1410	472.1920	3.1449	472.4053	3.0141
471.7704	3.0188	471.9837	3.0915	472.1971	3.0080	472.4103	3.0142
471.7755	3.0348	471.9888	3.2127	472.2022	2.9850	472.4154	3.0024
471.7805	3.0650	471.9939	3.1725	472.2072	3.0049	472.4204	2.9843
471.7856	3.0320	471.9990	3.1442	472.2123	2.9017	472.4255	2.9379
471.7907	3.1097	472.0040	3.1740	472.2174	2.9091	472.4305	2.8953
471.7957	3.0259	472.0091	3.2058	472.2225	3.0334	472.4356	2.8990
471.8008	3.0541	472.0142	3.1022	472.2276	3.0001	472.4406	2.9308
471.8059	3.0657	472.0193	3.1145	472.2326	2.9474	472.4457	2.8710
471.8110	3.0525	472.0244	3.0958	472.2377	3.0159	472.4507	2.9795
471.8161	3.1273	472.0294	3.0481	472.2428	3.0966	472.4558	2.9526
471.8212	3.0061	472.0345	3.0288	472.2479	3.0567	472.4608	2.9395
471.8262	3.0724	472.0396	3.0946	472.2530	3.0244	472.4659	2.8989
471.8313	3.0423	472.0447	3.0753	472.2581	3.0036	472.4709	2.9863
471.8364	3.0557	472.0498	3.0473	472.2631	3.0127	472.4760	2.9736
471.8415	3.0777	472.0548	3.1295	472.2682	2.9735	472.4810	2.9370
471.8466	3.0812	472.0599	3.1111	472.2733	2.9582	472.4861	2.8568
471.8517	3.0942	472.0650	3.0501	472.2784	2.9157	472.4911	2.9436
471.8567	3.0828	472.0701	3.0879	472.2834	2.9421	472.4962	2.8852
471.8618	3.1672	472.0752	3.0713	472.2885	2.9495	472.5013	2.9009
471.8669	3.0576	472.0802	3.0372	472.2936	2.9477	472.5063	2.8909
471.8719	3.0761	472.0853	3.0646	472.2987	3.0044	472.5114	2.8559
471.8770	3.0243	472.0904	3.0888	472.3042	3.0776	472.5164	2.8425
471.8821	3.0972	472.0955	3.0331	472.3093	3.0439	472.5215	2.9244
471.8872	3.1410	472.1006	3.0589	472.3143	3.0922	472.5265	2.7932
471.8923	3.1127	472.1057	3.0274	472.3194	3.0812	472.5316	2.8260
471.8974	3.0978	472.1107	3.0519	472.3244	3.0351	472.5366	2.9041



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
472.5417	2.8596	472.7539	2.9670	472.9661	2.9376	473.1783	3.0062
472.5467	2.8836	472.7589	2.9544	472.9711	2.9613	473.1833	3.0631
472.5518	2.8301	472.7640	2.8896	472.9762	2.9805	473.1884	3.0657
472.5568	2.8616	472.7690	2.8694	472.9812	2.8836	473.1934	3.0732
472.5619	2.8544	472.7741	2.8813	472.9863	2.9105	473.1985	3.0911
472.5669	2.8783	472.7791	2.8857	472.9913	2.8960	473.2035	3.0666
472.5720	2.8575	472.7842	2.8816	472.9964	2.9584	473.2086	3.1068
472.5771	2.8488	472.7892	2.8767	473.0014	2.9471	473.2136	3.1178
472.5821	2.8834	472.7943	2.9884	473.0065	2.9141	473.2187	3.1045
472.5872	2.8431	472.7993	2.9817	473.0115	2.9942	473.2238	3.0996
472.5922	2.8406	472.8044	2.9375	473.0166	3.0216	473.2288	3.0870
472.5973	2.8015	472.8094	2.9037	473.0216	3.1114	473.2339	3.1727
472.6023	2.8410	472.8145	2.9573	473.0267	3.1239	473.2389	3.0864
472.6074	2.8063	472.8195	2.9194	473.0317	3.1430	473.2440	2.9829
472.6124	2.8378	472.8246	2.9545	473.0368	3.0833	473.2490	3.0515
472.6175	2.8232	472.8297	2.9203	473.0419	3.0758	473.2541	3.0602
472.6225	2.8718	472.8347	2.9318	473.0469	3.1338	473.2591	3.0484
472.6276	2.8483	472.8398	2.9809	473.0520	3.0734	473.2642	3.0841
472.6326	2.8855	472.8448	2.9881	473.0570	3.0731	473.2692	3.0078
472.6377	2.8610	472.8499	3.0366	473.0621	3.0707	473.2743	3.0360
472.6427	2.9080	472.8549	3.0566	473.0671	3.0670	473.2793	3.0560
472.6478	2.8105	472.8600	3.1118	473.0722	3.0610	473.2844	3.0455
472.6528	2.9067	472.8650	3.0444	473.0772	3.0539	473.2894	3.1043
472.6579	2.9165	472.8701	3.0801	473.0823	3.0177	473.2945	3.1948
472.6629	2.9572	472.8751	3.0591	473.0873	2.9909	473.2995	3.1533
472.6680	2.8637	472.8802	3.0258	473.0924	2.9773	473.3046	3.1845
472.6730	2.8172	472.8852	3.0989	473.0974	2.9951	473.3096	3.2221
472.6781	2.8045	472.8903	3.0482	473.1025	2.9361	473.3147	3.3290
472.6831	2.7785	472.8954	3.1132	473.1075	2.9455	473.3197	3.2869
472.6882	2.8697	472.9004	3.0782	473.1126	2.9253	473.3248	3.2496
472.6932	2.7816	472.9055	3.0605	473.1176	2.9574	473.3298	3.3410
472.6983	2.7839	472.9105	3.0972	473.1227	2.9747	473.3349	3.4705
472.7033	2.8913	472.9156	3.0684	473.1277	2.9200	473.3399	3.4206
472.7084	2.8027	472.9206	2.9901	473.1328	2.9799	473.3450	3.4707
472.7135	2.7802	472.9257	2.9799	473.1378	3.0099	473.3500	3.4598
472.7185	2.8733	472.9307	2.9367	473.1429	2.9976	473.3551	3.4086
472.7236	2.8094	472.9358	2.9426	473.1479	3.0074	473.3602	3.3485
472.7286	2.8036	472.9408	2.9420	473.1530	3.0053	473.3652	3.3092
472.7337	2.9274	472.9459	2.8959	473.1581	3.0512	473.3703	3.3223
472.7387	2.9718	472.9509	2.9028	473.1631	3.0282	473.3753	3.3062
472.7438	2.9659	472.9560	2.9181	473.1682	2.9867	473.3804	3.2341
472.7488	2.9925	472.9610	2.9098	473.1732	3.0347	473.3854	3.2092



Table 8. High Resolution Absorption Cross Section from 520-534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
473.3905	3.2588	473.6027	3.2675	473.8148	3.6457	474.0271	4.0692
473.3955	3.2070	473.6077	3.3444	473.8199	3.6225	474.0321	4.0542
473.4006	3.2091	473.6128	3.3016	473.8250	3.6544	474.0372	3.9733
473.4056	3.1935	473.6178	3.3072	473.8300	3.7065	474.0422	3.9189
473.4107	3.1655	473.6229	3.3751	473.8351	3.6209	474.0473	3.9804
473.4157	3.0888	473.6279	3.3624	473.8401	3.6218	474.0523	3.7795
473.4208	3.1457	473.6330	3.3677	473.8452	3.6579	474.0574	3.8152
473.4258	3.1415	473.6380	3.4311	473.8502	3.6446	474.0624	3.7140
473.4309	3.1107	473.6431	3.4770	473.8553	3.6008	474.0675	3.8018
473.4359	3.1369	473.6481	3.4017	473.8603	3.6227	474.0725	3.6975
473.4410	3.2051	473.6532	3.4562	473.8654	3.7026	474.0776	3.7187
473.4460	3.2231	473.6582	3.4763	473.8705	3.7491	474.0826	3.8001
473.4511	3.1815	473.6633	3.5485	473.8755	3.6968	474.0877	3.7946
473.4561	3.2197	473.6683	3.5544	473.8806	3.7773	474.0927	3.7124
473.4612	3.2701	473.6734	3.6384	473.8856	3.8989	474.0978	3.7379
473.4662	3.2644	473.6784	3.6764	473.8907	3.8323	474.1028	3.8008
473.4713	3.3401	473.6835	3.7655	473.8957	3.8676	474.1079	3.6103
473.4763	3.3562	473.6886	3.7925	473.9008	3.8412	474.1129	3.5700
473.4814	3.4352	473.6936	3.8241	473.9058	3.8943	474.1180	3.6912
473.4865	3.4223	473.6987	3.8340	473.9109	3.8075	474.1230	3.6988
473.4915	3.4400	473.7037	3.7928	473.9159	3.8983	474.1281	3.7318
473.4966	3.4019	473.7088	3.6988	473.9210	3.9042	474.1331	3.7400
473.5016	3.3790	473.7138	3.6955	473.9260	4.0469	474.1382	3.9636
473.5067	3.3589	473.7189	3.5734	473.9311	4.1023	474.1433	4.0475
473.5117	3.2941	473.7239	3.5696	473.9361	4.1764	474.1483	3.9487
473.5168	3.3293	473.7290	3.5802	473.9412	4.1565	474.1534	3.9681
473.5218	3.4011	473.7340	3.5039	473.9462	4.1065	474.1584	3.9203
473.5269	3.3764	473.7391	3.5791	473.9513	4.1449	474.1635	3.9849
473.5319	3.4197	473.7441	3.5013	473.9563	4.0563	474.1685	3.9696
473.5370	3.3892	473.7492	3.5863	473.9614	3.9300	474.1736	3.8831
473.5421	3.4432	473.7542	3.6486	473.9664	3.9983	474.1786	3.8800
473.5471	3.3523	473.7593	3.7073	473.9715	4.0797	474.1837	3.9119
473.5522	3.3750	473.7643	3.7146	473.9765	3.9872	474.1888	3.8640
473.5572	3.3717	473.7694	3.6616	473.9816	4.0695	474.1938	3.8895
473.5623	3.3856	473.7744	3.6763	473.9866	3.9917	474.1989	3.8479
473.5673	3.3171	473.7795	3.7681	473.9917	4.0513	474.2039	3.8570
473.5724	3.3526	473.7845	3.7526	473.9967	4.0384	474.2090	3.8437
473.5774	3.3323	473.7896	3.7061	474.0018	3.9217	474.2140	3.8515
473.5825	3.3142	473.7946	3.6871	474.0069	4.0148	474.2191	4.0459
473.5875	3.3750	473.7997	3.6240	474.0119	4.0545	474.2241	3.9760
473.5926	3.4011	473.8047	3.6145	474.0170	4.0341	474.2292	4.0166
473.5976	3.3888	473.8098	3.6310	474.0220	3.9537	474.2342	4.0073



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
474.2393	4.0613	474.4514	3.5163	474.6637	3.4207	474.8759	3.7369
474.2443	3.8555	474.4565	3.5072	474.6687	3.4158	474.8809	3.6802
474.2494	3.8665	474.4615	3.4534	474.6738	3.4176	474.8860	3.7534
474.2544	3.8123	474.4666	3.4331	474.6788	3.4020	474.8910	3.6339
474.2595	3.8103	474.4717	3.5160	474.6839	3.3798	474.8961	3.5553
474.2645	3.6604	474.4767	3.5321	474.6889	3.4810	474.9011	3.5653
474.2696	3.7266	474.4818	3.6633	474.6940	3.5648	474.9062	3.6088
474.2746	3.6933	474.4868	3.6741	474.6990	3.6236	474.9112	3.5524
474.2797	3.7653	474.4919	3.6322	474.7041	3.8448	474.9163	3.5075
474.2847	3.7403	474.4969	3.6662	474.7091	3.8151	474.9213	3.6427
474.2898	3.7152	474.5020	3.7247	474.7142	3.9309	474.9264	3.5412
474.2948	3.8534	474.5070	3.5984	474.7192	3.8418	474.9314	3.5932
474.2999	3.8021	474.5121	3.5875	474.7243	3.9095	474.9365	3.5359
474.3049	3.7510	474.5172	3.5740	474.7293	3.6758	474.9415	3.7012
474.3100	3.7801	474.5222	3.5350	474.7344	3.6303	474.9466	3.6088
474.3150	3.7605	474.5273	3.6094	474.7394	3.5859	474.9516	3.6322
474.3201	3.7435	474.5323	3.6478	474.7445	3.5389	474.9567	3.6135
474.3251	3.6977	474.5374	3.6136	474.7495	3.5419	474.9617	3.5290
474.3302	3.7231	474.5424	3.6038	474.7546	3.6331	474.9668	3.6492
474.3353	3.7309	474.5475	3.6516	474.7596	3.7566	474.9718	3.6758
474.3403	3.6917	474.5525	3.6495	474.7647	3.8108	474.9769	3.6467
474.3454	3.7485	474.5576	3.6048	474.7697	3.9554	474.9820	3.6454
474.3504	3.6665	474.5626	3.7012	474.7748	3.9436	474.9870	3.7406
474.3555	3.7454	474.5677	3.7671	474.7798	3.9738	474.9921	3.7019
474.3605	3.6948	474.5727	3.6594	474.7849	3.8920	474.9971	3.8209
474.3656	3.7621	474.5778	3.8087	474.7900	3.9493	475.0022	3.7595
474.3706	3.6909	474.5828	3.8917	474.7950	3.8318	475.0072	3.7239
474.3757	3.7505	474.5879	3.8676	474.8001	3.7960	475.0123	3.7840
474.3807	3.6550	474.5929	3.7403	474.8051	3.8642	475.0173	3.8067
474.3858	3.7344	474.5980	3.9474	474.8102	3.8699	475.0224	3.7318
474.3908	3.6827	474.6030	3.8785	474.8152	3.9461	475.0274	3.6470
474.3959	3.7642	474.6081	3.7619	474.8203	3.7832	475.0325	3.7321
474.4009	3.7085	474.6131	3.8438	474.8253	3.8582	475.0375	3.6619
474.4060	3.6822	474.6182	3.8273	474.8304	3.8860	475.0426	3.6863
474.4110	3.6076	474.6232	3.7722	474.8354	3.7660	475.0476	3.6189
474.4161	3.6569	474.6283	3.7905	474.8405	3.8353	475.0527	3.7305
474.4211	3.5362	474.6333	3.7605	474.8456	3.7395	475.0577	3.6823
474.4262	3.5692	474.6384	3.6685	474.8506	3.7480	475.0628	3.6710
474.4312	3.6211	474.6434	3.6203	474.8557	3.7456	475.0678	3.6174
474.4363	3.5586	474.6485	3.5256	474.8607	3.7666	475.0729	3.5767
474.4413	3.4984	474.6536	3.4979	474.8658	3.6450	475.0779	3.5651
474.4464	3.4570	474.6586	3.4256	474.8708	3.7483	475.0830	3.5412



Table 8. High Resolution Absorption Cross Section from 520-534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
475.0880	3.4944	475.3003	3.4537	475.5125	3.5364	475.7246	3.1568
475.0931	3.5261	475.3053	3.4077	475.5175	3.4959	475.7297	3.0545
475.0981	3.5245	475.3104	3.4038	475.5226	3.5563	475.7347	3.0580
475.1032	3.5152	475.3154	3.4485	475.5276	3.4144	475.7398	3.0866
475.1082	3.5910	475.3205	3.3708	475.5327	3.4317	475.7448	2.9652
475.1133	3.5070	475.3255	3.4007	475.5377	3.4101	475.7499	2.9661
475.1184	3.5035	475.3306	3.3903	475.5428	3.4366	475.7549	2.9933
475.1234	3.5002	475.3356	3.3776	475.5478	3.4046	475.7600	2.9979
475.1285	3.5596	475.3407	3.4204	475.5529	3.3162	475.7651	2.9655
475.1335	3.4272	475.3457	3.4295	475.5579	3.4003	475.7701	3.0197
475.1386	3.4576	475.3508	3.4636	475.5630	3.3930	475.7752	2.9754
475.1436	3.3780	475.3558	3.4659	475.5680	3.3867	475.7802	2.9913
475.1487	3.4371	475.3609	3.4478	475.5731	3.3676	475.7853	3.0038
475.1537	3.4578	475.3659	3.4441	475.5781	3.4190	475.7903	3.0724
475.1588	3.4055	475.3710	3.4637	475.5832	3.4647	475.7954	3.0346
475.1638	3.3730	475.3760	3.4433	475.5882	3.4847	475.8004	3.1187
475.1689	3.4100	475.3811	3.4334	475.5933	3.4542	475.8055	3.0837
475.1740	3.4030	475.3861	3.4866	475.5983	3.5549	475.8105	3.1049
475.1790	3.4568	475.3912	3.4787	475.6034	3.5512	475.8156	3.0886
475.1841	3.5025	475.3962	3.4427	475.6084	3.5504	475.8206	3.1324
475.1891	3.5309	475.4013	3.4760	475.6135	3.5788	475.8257	3.0797
475.1942	3.5537	475.4063	3.4993	475.6185	3.5456	475.8307	3.1364
475.1992	3.6238	475.4114	3.5123	475.6236	3.4134	475.8358	3.0763
475.2043	3.5675	475.4164	3.3710	475.6287	3.4623	475.8409	3.2035
475.2093	3.5963	475.4215	3.4659	475.6337	3.3733	475.8459	3.1992
475.2144	3.5524	475.4265	3.4332	475.6388	3.3120	475.8510	3.1782
475.2194	3.6267	475.4316	3.5099	475.6438	3.2796	475.8560	3.1742
475.2245	3.4942	475.4367	3.4797	475.6489	3.2678	475.8611	3.2449
475.2295	3.5293	475.4417	3.5852	475.6539	3.1912	475.8661	3.1505
475.2346	3.5191	475.4468	3.5435	475.6590	3.1374	475.8712	3.1459
475.2396	3.4969	475.4518	3.6129	475.6640	3.1648	475.8762	3.1811
475.2447	3.5915	475.4569	3.5910	475.6691	3.0790	475.8813	3.1793
475.2497	3.5952	475.4619	3.6390	475.6741	3.1393	475.8863	3.1863
475.2548	3.6002	475.4670	3.5182	475.6792	3.1958	475.8914	3.2356
475.2598	3.5819	475.4720	3.5701	475.6842	3.2507	475.8964	3.2659
475.2649	3.6782	475.4771	3.5379	475.6893	3.1759	475.9015	3.1586
475.2699	3.6153	475.4821	3.5411	475.6943	3.3246	475.9065	3.2207
475.2750	3.5245	475.4872	3.4553	475.6994	3.3238	475.9116	3.1524
475.2800	3.5132	475.4922	3.5686	475.7044	3.2463	475.9166	3.1631
475.2851	3.4789	475.4973	3.5459	475.7095	3.1623	475.9217	3.2146
475.2901	3.4843	475.5023	3.6101	475.7145	3.2184	475.9267	3.1915
475.2952	3.4887	475.5074	3.5267	475.7196	3.1407	475.9318	3.2055



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
475.9368	3.2714	476.1490	2.8854	476.3612	3.1623	476.5734	2.8669
475.9419	3.2829	476.1541	2.9177	476.3663	3.1434	476.5785	2.8711
475.9470	3.1914	476.1591	2.9508	476.3713	3.1394	476.5835	2.9350
475.9520	3.2795	476.1642	2.9440	476.3764	3.1553	476.5886	2.8625
475.9571	3.2860	476.1693	2.8945	476.3814	3.0866	476.5937	2.9226
475.9621	3.1843	476.1743	2.9340	476.3865	3.0512	476.5987	2.8663
475.9672	3.1888	476.1794	3.0113	476.3915	3.0979	476.6038	2.8805
475.9722	3.2012	476.1844	3.0633	476.3966	3.0335	476.6088	2.8584
475.9773	3.1971	476.1895	3.0484	476.4016	3.1669	476.6139	2.9445
475.9823	3.2565	476.1945	3.1090	476.4067	3.0524	476.6189	2.9250
475.9874	3.2576	476.1996	3.0624	476.4118	3.1655	476.6240	2.9440
475.9924	3.3202	476.2046	3.2445	476.4168	3.1299	476.6290	3.0159
475.9975	3.3243	476.2097	3.1452	476.4219	3.1987	476.6341	2.9561
476.0025	3.3493	476.2147	3.1514	476.4269	3.0706	476.6391	3.0121
476.0076	3.3190	476.2198	3.2440	476.4320	3.1379	476.6442	3.0810
476.0126	3.3489	476.2248	3.1421	476.4370	3.1832	476.6492	3.0955
476.0177	3.2792	476.2299	3.1734	476.4421	3.1791	476.6543	3.1033
476.0227	3.2615	476.2349	3.1804	476.4471	3.2199	476.6593	3.1618
476.0278	3.2445	476.2400	3.1695	476.4522	3.2781	476.6644	3.1727
476.0328	3.2577	476.2450	3.2161	476.4572	3.2571	476.6694	3.1953
476.0379	3.1591	476.2501	3.1890	476.4623	3.2013	476.6745	3.2678
476.0429	3.1696	476.2551	3.1891	476.4673	3.1973	476.6795	3.1490
476.0480	3.2102	476.2602	3.3045	476.4724	3.0646	476.6846	3.1329
476.0530	3.1052	476.2652	3.2897	476.4774	3.0594	476.6896	3.1729
476.0581	3.1319	476.2703	3.3088	476.4825	3.0386	476.6947	3.1488
476.0631	3.1387	476.2754	3.2592	476.4875	2.9965	476.6997	3.1421
476.0682	3.1529	476.2804	3.3079	476.4926	3.0393	476.7048	3.1655
476.0732	3.1314	476.2855	3.3187	476.4977	3.0542	476.7098	3.1556
476.0783	3.1261	476.2905	3.2344	476.5027	3.0257	476.7149	3.2300
476.0834	3.1307	476.2956	3.1937	476.5078	3.0834	476.7199	3.2452
476.0884	3.1205	476.3006	3.2283	476.5128	3.1203	476.7250	3.2728
476.0935	3.1619	476.3057	3.1723	476.5179	3.1189	476.7301	3.2790
476.0985	3.1547	476.3107	3.1718	476.5229	3.0471	476.7351	3.2813
476.1036	3.1581	476.3158	3.1414	476.5280	3.0726	476.7402	3.2922
476.1086	3.1078	476.3208	3.0838	476.5330	3.0580	476.7452	3.1738
476.1137	3.0655	476.3259	3.1883	476.5381	2.9719	476.7503	3.1930
476.1187	3.0067	476.3309	3.1149	476.5431	2.8716	476.7553	3.1207
476.1238	3.0135	476.3360	3.0927	476.5482	2.8942	476.7604	3.2054
476.1288	2.9273	476.3410	3.1422	476.5532	2.7982	476.7654	2.9804
476.1339	2.9315	476.3461	3.1848	476.5583	2.8267	476.7705	3.0339
476.1389	2.9439	476.3511	3.1437	476.5633	2.8109	476.7755	2.9413
476.1440	2.9139	476.3562	3.1582	476.5684	2.8060	476.7806	2.8939



Table 8. High Resolution Absorption Cross Section from 520-534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
476.7856	2.8913	476.9936	2.9847	477.2061	2.9741	477.4186	2.9013
476.7907	2.8896	476.9987	3.0585	477.2112	2.9143	477.4237	2.9385
476.7957	2.8635	477.0037	3.0002	477.2162	2.9707	477.4288	2.9556
476.8008	2.8793	477.0088	3.0488	477.2213	2.9520	477.4338	2.9604
476.8058	2.9356	477.0138	3.0793	477.2263	2.9424	477.4389	2.9282
476.8109	2.9572	477.0189	3.0531	477.2314	3.0123	477.4439	2.9713
476.8159	2.9778	477.0240	2.9674	477.2365	2.9968	477.4490	2.9440
476.8165	2.9813	477.0290	3.0290	477.2415	3.0125	477.4541	2.8938
476.8216	3.0271	477.0341	2.8738	477.2466	2.9537	477.4591	2.8990
476.8266	2.9829	477.0392	2.9506	477.2516	2.9984	477.4642	2.9572
476.8317	2.9535	477.0442	2.9389	477.2567	2.9460	477.4692	2.9108
476.8367	2.9813	477.0493	2.9470	477.2618	2.9875	477.4743	2.8434
476.8418	3.0442	477.0543	2.9694	477.2668	2.9045	477.4794	2.9081
476.8469	2.9798	477.0594	3.0109	477.2719	2.9117	477.4844	2.8477
476.8519	2.9482	477.0645	2.9825	477.2770	2.9103	477.4895	2.9288
476.8570	3.0301	477.0695	2.9277	477.2820	2.9093	477.4945	2.9406
476.8620	3.0362	477.0746	2.9270	477.2871	2.9119	477.4996	2.9246
476.8671	3.0177	477.0796	2.9343	477.2921	2.9033	477.5047	2.8950
476.8722	3.0566	477.0847	2.9329	477.2972	2.9038	477.5097	2.9241
476.8772	3.0206	477.0898	2.9404	477.3023	2.8866	477.5148	2.9584
476.8823	3.0094	477.0948	2.9632	477.3073	2.8925	477.5198	2.9840
476.8873	3.0031	477.0999	2.9639	477.3124	2.8858	477.5249	2.9619
476.8924	2.9477	477.1049	2.9345	477.3174	2.8470	477.5300	2.9280
476.8975	2.9124	477.1100	2.9430	477.3225	2.8544	477.5350	2.9878
476.9025	2.9820	477.1151	2.9389	477.3276	2.8971	477.5401	2.9661
476.9076	2.9455	477.1201	2.8787	477.3326	2.9059	477.5451	2.9363
476.9126	2.9621	477.1252	2.8744	477.3377	2.9728	477.5502	2.8918
476.9177	2.9521	477.1302	2.8777	477.3427	2.9989	477.5553	2.9189
476.9228	3.1053	477.1353	2.8960	477.3478	3.0151	477.5603	2.9234
476.9278	3.0549	477.1404	2.8744	477.3529	3.0228	477.5654	2.9551
476.9329	3.0462	477.1454	2.8840	477.3579	3.0153	477.5704	2.9636
476.9379	3.1099	477.1505	2.9060	477.3630	2.9440	477.5755	2.9613
476.9430	3.1118	477.1555	2.8358	477.3680	2.9569	477.5806	2.9319
476.9481	3.1411	477.1606	2.8639	477.3731	2.9202	477.5856	2.9660
476.9531	3.0921	477.1656	2.9331	477.3782	2.9597	477.5907	2.9406
476.9582	3.1746	477.1707	2.8610	477.3832	2.9867	477.5957	2.8298
476.9632	3.1111	477.1758	2.9088	477.3883	3.0098	477.6008	2.8371
476.9683	3.0351	477.1808	2.9358	477.3933	3.0320	477.6059	2.8639
476.9734	3.0570	477.1859	2.9446	477.3984	2.9990	477.6109	2.8372
476.9784	3.0409	477.1909	2.8977	477.4035	3.0193	477.6160	2.8997
476.9835	2.9531	477.1960	2.9343	477.4085	2.9971	477.6211	2.8556
476.9885	2.9237	477.2010	2.9325	477.4136	2.9487	477.6261	2.9092



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
477.6312	2.9897	477.8437	2.9099	478.0562	3.1273	478.2687	2.7985
477.6362	2.9770	477.8488	2.9889	478.0613	3.0709	478.2738	2.7904
477.6413	3.0288	477.8538	2.9466	478.0663	3.0431	478.2789	2.8056
477.6464	3.0526	477.8589	3.0353	478.0714	3.1517	478.2839	2.7898
477.6514	3.0485	477.8639	2.9916	478.0764	3.1432	478.2890	2.8002
477.6565	3.0616	477.8690	2.9601	478.0815	3.1002	478.2940	2.7397
477.6615	3.1271	477.8741	2.9199	478.0866	3.0977	478.2991	2.8238
477.6666	2.9787	477.8791	2.9206	478.0916	3.1184	478.3042	2.8062
477.6717	2.9893	477.8842	2.9029	478.0967	3.0556	478.3092	2.8853
477.6767	3.0408	477.8892	2.8509	478.1017	3.0946	478.3143	2.8336
477.6818	3.0441	477.8943	2.8400	478.1068	3.0790	478.3193	2.8206
477.6868	2.9561	477.8994	2.8504	478.1119	3.0534	478.3244	2.8401
477.6919	2.9576	477.9044	2.8193	478.1169	3.0008	478.3295	2.8435
477.6970	2.8942	477.9095	2.8165	478.1220	2.9591	478.3345	2.7597
477.7020	2.9879	477.9145	2.8201	478.1270	2.9445	478.3396	2.7499
477.7071	2.9542	477.9196	2.8244	478.1321	2.8741	478.3446	2.7347
477.7121	2.9198	477.9247	2.8301	478.1372	2.9061	478.3497	2.6513
477.7172	3.0063	477.9297	2.8334	478.1422	2.8905	478.3548	2.6534
477.7223	2.9660	477.9348	2.9009	478.1473	2.8037	478.3598	2.6576
477.7273	2.9020	477.9398	2.8247	478.1523	2.8578	478.3649	2.6692
477.7324	2.9521	477.9449	2.8703	478.1574	2.8236	478.3699	2.6574
477.7374	2.9239	477.9500	2.8169	478.1625	2.8091	478.3750	2.6864
477.7425	2.8133	477.9550	2.8935	478.1675	2.8773	478.3801	2.6922
477.7476	2.8557	477.9601	2.8687	478.1726	2.8778	478.3851	2.7312
477.7526	2.9624	477.9651	2.8538	478.1776	2.8834	478.3902	2.7613
477.7577	3.0074	477.9702	2.8470	478.1827	2.8657	478.3952	2.7447
477.7627	2.9958	477.9753	2.8327	478.1878	2.9533	478.4003	2.8429
477.7678	3.0276	477.9803	2.8378	478.1928	2.8531	478.4054	2.8037
477.7729	3.0809	477.9854	2.7925	478.1979	2.8910	478.4104	2.8105
477.7779	3.0248	477.9904	2.8696	478.2029	2.8830	478.4155	2.8537
477.7830	2.9993	477.9955	2.8800	478.2080	2.8819	478.4205	2.8601
477.7880	2.9125	478.0005	2.9629	478.2131	2.8411	478.4256	2.8417
477.7931	2.9547	478.0056	2.9777	478.2181	2.9073	478.4307	2.7648
477.7982	2.8847	478.0107	2.9870	478.2232	2.9380	478.4357	2.7691
477.8032	2.9039	478.0157	3.0155	478.2283	2.8844	478.4408	2.7642
477.8083	2.9115	478.0208	3.0282	478.2333	2.8439	478.4458	2.7155
477.8133	2.9445	478.0258	3.0755	478.2384	2.8948	478.4509	2.6742
477.8184	2.9544	478.0309	3.0710	478.2434	2.8238	478.4560	2.6275
477.8235	2.8886	478.0360	2.9852	478.2485	2.8054	478.4610	2.6952
477.8285	2.9053	478.0410	3.0211	478.2536	2.7691	478.4661	2.6449
477.8336	2.9376	478.0461	3.0112	478.2586	2.7990	478.4711	2.7024
477.8386	2.9880	478.0511	3.0623	478.2637	2.7542	478.4762	2.6419



Table 8. High Resolution Absorption Cross Section from 520-534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
478.4813	2.7220	478.6938	2.6867	478.9063	2.8945	479.1188	2.8922
478.4863	2.7110	478.6989	2.6953	478.9114	2.8673	479.1239	2.9434
478.4914	2.6979	478.7039	2.7528	478.9164	2.8829	479.1289	2.8872
478.4964	2.7432	478.7090	2.7794	478.9215	2.9014	479.1340	2.8838
478.5015	2.7234	478.7140	2.7959	478.9265	2.8834	479.1391	2.8547
478.5066	2.7095	478.7191	2.8335	478.9316	2.9023	479.1441	2.8870
478.5116	2.6885	478.7242	2.8287	478.9367	2.9516	479.1492	2.8287
478.5167	2.7143	478.7292	2.8535	478.9417	2.8441	479.1543	2.8446
478.5217	2.6903	478.7343	2.8936	478.9468	2.8136	479.1593	2.9119
478.5268	2.7621	478.7393	2.8280	478.9518	2.8422	479.1644	2.9108
478.5319	2.7484	478.7444	2.8730	478.9569	2.7893	479.1694	2.9924
478.5369	2.8299	478.7495	2.8344	478.9620	2.7644	479.1745	2.9777
478.5420	2.8948	478.7545	2.9133	478.9670	2.7451	479.1796	3.0414
478.5470	2.9247	478.7596	2.8471	478.9721	2.7354	479.1846	3.0005
478.5521	2.8979	478.7646	2.9797	478.9771	2.7690	479.1897	3.0228
478.5572	2.9607	478.7697	2.9313	478.9822	2.7363	479.1947	3.0209
478.5622	2.9111	478.7747	2.9251	478.9873	2.7216	479.1998	3.0530
478.5673	2.9205	478.7798	2.9212	478.9923	2.8141	479.2049	3.0122
478.5724	2.8968	478.7849	2.8960	478.9974	2.8146	479.2099	3.0488
478.5774	2.8993	478.7899	2.9461	479.0024	2.8387	479.2150	3.1103
478.5825	2.9010	478.7950	2.8774	479.0075	2.8418	479.2200	3.0522
478.5875	2.8989	478.8000	2.8760	479.0126	2.9293	479.2251	2.9721
478.5926	2.8592	478.8051	2.8613	479.0176	2.9186	479.2302	3.0510
478.5977	2.9406	478.8102	2.9613	479.0227	2.9788	479.2352	3.0053
478.6027	2.9188	478.8152	2.9474	479.0277	2.9690	479.2403	2.9452
478.6078	2.8217	478.8203	2.8247	479.0328	3.0169	479.2453	2.9194
478.6128	2.8334	478.8253	2.8672	479.0379	2.9498	479.2504	2.9876
478.6179	2.8161	478.8304	2.9748	479.0429	2.9582	479.2555	2.9945
478.6230	2.8293	478.8355	2.9250	479.0480	2.9633	479.2605	2.9731
478.6280	2.7836	478.8405	2.8745	479.0530	2.9712	479.2656	2.9536
478.6331	2.7844	478.8456	2.8534	479.0581	2.9804	479.2706	2.9628
478.6381	2.7024	478.8506	2.8878	479.0632	2.9228	479.2757	2.9597
478.6432	2.7115	478.8557	2.9771	479.0682	2.9570	479.2808	2.9176
478.6483	2.7097	478.8608	2.9405	479.0733	2.9645	479.2858	2.9579
478.6533	2.7037	478.8658	2.9061	479.0783	2.9876	479.2909	2.9432
478.6584	2.7021	478.8709	2.9570	479.0834	2.8989	479.2959	3.0116
478.6634	2.7128	478.8759	2.9571	479.0885	2.9229	479.3010	2.9167
478.6685	2.6793	478.8810	2.8846	479.0935	2.9508	479.3061	2.9536
478.6736	2.7361	478.8861	2.9286	479.0986	2.8998	479.3111	2.9316
478.6786	2.7398	478.8911	2.9447	479.1036	2.9382	479.3162	2.9920
478.6837	2.6778	478.8962	2.8892	479.1087	2.9382	479.3212	2.9305
478.6887	2.7230	478.9012	2.8564	479.1138	2.9315	479.3263	2.9716



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
479.3314	2.9729	479.5439	3.1672	479.7564	3.1492	479.9689	3.2029
479.3364	2.8719	479.5490	3.1288	479.7615	3.1240	479.9740	3.2233
479.3415	2.9345	479.5540	3.0926	479.7665	3.1887	479.9790	3.3375
479.3465	2.9656	479.5591	3.1603	479.7716	3.2478	479.9841	3.3357
479.3516	2.9267	479.5641	3.1460	479.7766	3.2989	479.9892	3.3557
479.3567	2.9366	479.5692	3.1536	479.7817	3.3291	479.9942	3.3255
479.3617	3.0036	479.5742	3.1147	479.7868	3.2953	479.9993	3.3018
479.3668	3.0283	479.5793	3.2184	479.7918	3.3603	480.0043	3.3092
479.3718	3.0332	479.5844	3.2100	479.7969	3.2665	480.0094	3.2907
479.3769	3.0800	479.5894	3.1966	479.8019	3.3040	480.0145	3.2112
479.3820	3.1367	479.5945	3.2171	479.8070	3.2589	480.0195	3.2247
479.3870	3.1080	479.5995	3.2891	479.8121	3.2497	480.0246	3.2998
479.3921	3.0896	479.6046	3.2558	479.8171	3.3216	480.0296	3.2280
479.3971	3.1751	479.6096	3.2591	479.8222	3.3216	480.0347	3.1566
479.4022	3.2203	479.6147	3.3052	479.8272	3.2875	480.0398	3.2160
479.4073	3.2009	479.6198	3.3944	479.8323	3.3508	480.0448	3.1473
479.4123	3.2695	479.6248	3.3355	479.8374	3.2537	480.0499	3.1749
479.4174	3.2387	479.6299	3.3023	479.8424	3.3691	480.0549	3.1390
479.4224	3.2901	479.6349	3.3321	479.8475	3.3435	480.0600	3.0575
479.4275	3.2302	479.6400	3.2956	479.8525	3.3422	480.0651	3.1023
479.4326	3.1689	479.6451	3.2533	479.8576	3.3347	480.0701	3.1351
479.4376	3.3325	479.6501	3.1921	479.8627	3.2846	480.0752	3.0483
479.4427	3.2830	479.6552	3.1476	479.8677	3.3393	480.0802	3.0732
479.4477	3.2340	479.6602	3.2266	479.8728	3.4190	480.0853	3.1137
479.4528	3.2644	479.6653	3.2224	479.8778	3.3085	480.0904	3.1300
479.4579	3.3923	479.6704	3.2814	479.8829	3.3870	480.0954	3.1350
479.4629	3.2855	479.6754	3.2294	479.8880	3.4228	480.1005	3.1291
479.4680	3.2486	479.6805	3.3663	479.8930	3.4849	480.1056	3.1728
479.4730	3.2958	479.6855	3.3582	479.8981	3.4299	480.1106	3.1566
479.4781	3.2465	479.6906	3.3008	479.9031	3.4535	480.1157	3.1717
479.4832	3.2709	479.6957	3.4295	479.9082	3.4616	480.1207	3.1355
479.4882	3.3119	479.7007	3.2704	479.9133	3.3615	480.1258	3.0358
479.4933	3.2758	479.7058	3.3779	479.9183	3.3710	480.1309	3.0642
479.4984	3.2398	479.7108	3.2424	479.9234	3.2735	480.1359	3.0898
479.5034	3.2438	479.7159	3.3130	479.9284	3.2439	480.1410	2.9590
479.5085	3.1935	479.7210	3.2842	479.9335	3.2921	480.1460	2.9417
479.5135	3.2090	479.7260	3.2920	479.9386	3.2671	480.1511	3.1095
479.5186	3.2115	479.7311	3.2705	479.9436	3.2582	480.1562	3.0677
479.5237	3.2231	479.7362	3.2507	479.9487	3.2109	480.1612	3.1308
479.5287	3.2010	479.7412	3.1458	479.9537	3.2033	480.1663	3.0487
479.5338	3.1999	479.7463	3.2005	479.9588	3.2335	480.1713	3.1960
479.5388	3.1994	479.7513	3.1095	479.9639	3.2249	480.1764	3.0101



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
480.1815	3.0208	480.3940	2.7993	480.6065	2.9230	480.8190	2.7848
480.1865	3.0143	480.3990	2.7713	480.6115	2.9415	480.8241	2.7592
480.1916	3.0309	480.4041	2.7726	480.6166	2.8782	480.8291	2.7896
480.1966	2.9963	480.4091	2.8173	480.6217	2.9882	480.8342	2.7783
480.2017	2.9535	480.4142	2.8257	480.6267	2.9422	480.8393	2.7809
480.2068	3.0050	480.4193	2.8685	480.6318	3.0118	480.8443	2.7570
480.2118	2.9601	480.4243	2.8587	480.6368	3.0096	480.8494	2.7448
480.2169	2.8857	480.4294	2.9599	480.6419	3.0152	480.8544	2.7608
480.2219	2.9430	480.4344	2.9731	480.6470	2.9286	480.8595	2.7716
480.2270	2.8979	480.4395	2.9378	480.6520	2.8449	480.8646	2.7463
480.2321	2.8652	480.4446	2.9659	480.6571	2.8204	480.8696	2.8024
480.2371	2.9180	480.4496	2.9488	480.6621	2.7446	480.8747	2.8287
480.2422	2.9455	480.4547	2.9129	480.6672	2.7853	480.8797	2.7955
480.2472	2.9240	480.4597	2.9223	480.6723	2.6888	480.8848	2.8199
480.2523	2.9366	480.4648	3.0262	480.6773	2.8069	480.8899	2.8664
480.2574	2.9476	480.4699	2.9539	480.6824	2.7824	480.8949	2.8399
480.2624	3.0375	480.4749	2.9906	480.6875	2.8093	480.9000	2.7827
480.2675	2.9886	480.4800	3.0080	480.6925	2.8000	480.9050	2.8207
480.2725	2.9453	480.4850	3.0747	480.6976	2.8016	480.9101	2.8122
480.2776	2.9085	480.4901	3.0532	480.7026	2.8371	480.9152	2.7477
480.2827	2.9013	480.4952	3.0154	480.7077	2.8466	480.9202	2.7811
480.2877	2.8803	480.5002	2.9998	480.7128	2.8371	480.9253	2.8477
480.2928	2.9177	480.5053	2.9915	480.7178	2.8034	480.9303	2.8053
480.2978	2.8699	480.5103	2.9990	480.7229	2.8222	480.9354	2.8320
480.3029	2.8546	480.5154	2.9585	480.7279	2.8280	480.9405	2.8370
480.3080	2.8528	480.5205	2.9861	480.7330	2.7768	480.9455	2.8311
480.3130	2.8654	480.5255	2.9109	480.7381	2.6961	480.9506	2.8586
480.3181	2.8262	480.5306	2.9072	480.7431	2.6690	480.9556	2.8576
480.3231	2.8496	480.5356	2.8591	480.7482	2.7358	480.9607	2.7969
480.3282	2.8320	480.5407	2.8882	480.7532	2.7034	480.9658	2.8227
480.3333	2.8873	480.5458	2.8207	480.7583	2.7024	480.9708	2.7960
480.3383	2.9266	480.5508	2.8214	480.7634	2.7482	480.9759	2.8169
480.3434	2.9528	480.5559	2.9195	480.7684	2.7671	480.9809	2.7387
480.3484	2.9256	480.5609	2.9182	480.7735	2.7718	480.9860	2.7257
480.3535	2.9647	480.5660	2.9670	480.7785	2.7856	480.9911	2.6916
480.3586	2.9695	480.5711	2.9674	480.7836	2.7244	480.9961	2.6047
480.3636	2.9700	480.5761	2.9561	480.7887	2.7576	481.0012	2.6447
480.3687	2.8410	480.5812	2.9827	480.7937	2.7595	481.0062	2.6558
480.3737	2.8960	480.5862	3.0270	480.7988	2.7371	481.0113	2.6245
480.3788	2.8255	480.5913	2.9475	480.8038	2.7300	481.0164	2.6351
480.3839	2.8794	480.5964	2.9279	480.8089	2.7732	481.0214	2.6801
480.3889	2.8245	480.6014	2.9289	480.8140	2.7697	481.0265	2.7355



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
481.0316	2.7574	481.2440	2.9613	481.4534	3.0318	481.6662	2.8807
481.0366	2.7677	481.2491	2.9211	481.4584	3.1213	481.6713	2.8664
481.0417	2.8119	481.2542	2.8946	481.4635	2.9798	481.6763	2.8874
481.0467	2.7891	481.2592	2.8793	481.4686	2.9970	481.6814	2.9445
481.0518	2.7468	481.2643	2.8432	481.4737	2.9785	481.6865	2.9344
481.0569	2.7919	481.2694	2.8638	481.4787	2.9855	481.6915	2.9776
481.0619	2.8947	481.2744	2.8552	481.4838	2.9899	481.6966	2.9166
481.0670	2.8137	481.2795	2.8516	481.4889	3.0084	481.7017	2.9998
481.0720	2.8513	481.2845	2.8452	481.4939	2.9598	481.7067	2.9104
481.0771	2.8367	481.2896	2.9174	481.4990	3.0440	481.7118	2.9375
481.0822	2.8665	481.2947	2.9092	481.5041	3.0027	481.7169	2.8407
481.0872	2.8722	481.2997	2.9592	481.5091	3.0245	481.7219	2.9415
481.0923	2.8599	481.3048	2.9555	481.5142	2.9682	481.7270	2.8730
481.0973	2.8240	481.3098	3.0614	481.5193	2.9715	481.7321	2.8520
481.1024	2.8175	481.3149	3.1572	481.5243	2.9848	481.7371	2.8545
481.1075	2.8525	481.3200	3.1393	481.5294	2.9821	481.7422	2.8923
481.1125	2.8373	481.3250	3.1885	481.5345	3.0102	481.7473	2.8756
481.1176	2.8591	481.3301	3.1837	481.5395	2.9869	481.7523	2.8114
481.1226	2.8776	481.3318	3.1945	481.5446	2.9897	481.7574	2.7982
481.1277	2.8803	481.3369	3.2375	481.5497	3.0282	481.7625	2.8024
481.1328	2.9307	481.3419	3.1523	481.5547	3.0740	481.7675	2.8153
481.1378	2.9491	481.3470	3.2194	481.5598	3.0846	481.7726	2.7753
481.1429	2.9237	481.3521	3.2185	481.5648	3.0131	481.7777	2.8391
481.1479	2.9675	481.3571	3.2315	481.5699	3.0710	481.7827	2.8142
481.1530	2.9124	481.3622	3.1702	481.5750	3.0356	481.7878	2.8006
481.1581	3.0146	481.3672	3.0637	481.5800	3.0893	481.7929	2.9062
481.1631	2.9006	481.3723	3.1230	481.5851	3.0625	481.7979	2.9081
481.1682	2.9588	481.3774	3.1674	481.5902	3.1133	481.8030	2.8018
481.1732	3.0087	481.3824	3.3037	481.5952	3.0381	481.8081	2.9192
481.1783	3.0102	481.3875	3.2901	481.6003	3.0636	481.8131	2.9189
481.1833	2.9216	481.3926	3.3709	481.6054	3.0347	481.8182	2.9219
481.1884	3.0278	481.3976	3.3433	481.6105	2.9988	481.8233	2.8843
481.1935	3.0352	481.4027	3.3234	481.6155	3.0222	481.8283	2.8865
481.1985	2.9958	481.4078	3.2652	481.6206	2.9796	481.8334	2.9492
481.2036	3.0355	481.4128	3.2194	481.6257	2.9677	481.8385	2.8826
481.2086	3.0595	481.4179	3.2110	481.6307	2.9380	481.8435	2.8767
481.2137	3.0500	481.4230	3.1611	481.6358	2.9187	481.8486	2.9316
481.2188	3.0727	481.4280	3.0973	481.6409	2.9545	481.8537	2.9700
481.2238	2.9036	481.4331	3.1230	481.6459	2.9326	481.8587	2.9254
481.2289	2.9355	481.4382	3.1993	481.6510	2.8821	481.8638	2.9349
481.2339	2.9745	481.4432	3.1774	481.6561	2.8723	481.8689	2.9220
481.2390	2.9844	481.4483	3.0780	481.6611	2.8878	481.8739	2.8860



Table 8. High Resolution Absorption Cross Section from 520-534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
481.8790	2.8873	482.0918	2.6728	482.3047	2.7000	482.5175	2.7460
481.8841	2.8383	482.0969	2.7176	482.3097	2.6683	482.5225	2.6779
481.8892	2.7655	482.1020	2.7107	482.3148	2.5721	482.5276	2.7338
481.8942	2.8594	482.1070	2.7457	482.3199	2.5934	482.5327	2.7215
481.8993	2.9235	482.1121	2.6666	482.3249	2.6337	482.5377	2.7118
481.9044	2.7980	482.1172	2.6555	482.3300	2.5669	482.5428	2.7349
481.9094	2.8148	482.1222	2.6486	482.3351	2.6063	482.5479	2.7205
481.9145	2.8813	482.1273	2.6847	482.3401	2.5978	482.5529	2.6907
481.9196	2.9082	482.1324	2.6649	482.3452	2.6045	482.5580	2.6462
481.9246	2.8775	482.1374	2.6868	482.3503	2.6580	482.5631	2.6228
481.9297	2.8974	482.1425	2.6479	482.3553	2.6695	482.5681	2.6033
481.9348	2.9107	482.1476	2.6900	482.3604	2.6648	482.5732	2.6118
481.9398	2.9772	482.1526	2.7819	482.3654	2.6430	482.5783	2.6551
481.9449	2.9068	482.1577	2.7632	482.3705	2.6922	482.5833	2.6374
481.9500	2.9236	482.1628	2.7172	482.3756	2.6523	482.5884	2.6420
481.9550	2.9553	482.1678	2.7388	482.3806	2.6276	482.5935	2.6087
481.9601	2.9613	482.1729	2.8040	482.3857	2.6472	482.5985	2.7004
481.9651	2.9369	482.1780	2.8601	482.3908	2.6187	482.6036	2.6711
481.9702	2.9228	482.1830	2.8383	482.3958	2.5961	482.6087	2.6169
481.9753	2.9098	482.1881	2.7813	482.4009	2.6114	482.6137	2.6304
481.9803	2.8524	482.1932	2.7593	482.4060	2.5671	482.6188	2.6713
481.9854	2.8740	482.1982	2.7644	482.4110	2.5950	482.6239	2.6640
481.9905	2.7657	482.2033	2.7201	482.4161	2.5695	482.6289	2.6429
481.9955	2.7866	482.2084	2.6932	482.4212	2.6137	482.6340	2.6246
482.0006	2.7603	482.2134	2.6722	482.4263	2.5621	482.6391	2.6151
482.0057	2.7714	482.2185	2.6720	482.4313	2.5811	482.6441	2.6839
482.0107	2.7400	482.2236	2.6652	482.4364	2.5407	482.6492	2.6333
482.0158	2.7922	482.2286	2.7787	482.4415	2.5675	482.6543	2.6143
482.0209	2.7261	482.2337	2.6982	482.4465	2.5406	482.6593	2.6061
482.0260	2.7409	482.2388	2.6621	482.4516	2.5709	482.6644	2.6396
482.0310	2.7918	482.2438	2.6949	482.4567	2.5879	482.6695	2.6330
482.0361	2.7268	482.2489	2.6973	482.4617	2.5622	482.6745	2.6684
482.0412	2.7367	482.2540	2.6967	482.4668	2.6160	482.6796	2.6122
482.0462	2.6986	482.2590	2.7168	482.4719	2.6390	482.6847	2.6113
482.0513	2.7263	482.2641	2.7487	482.4769	2.6884	482.6897	2.5832
482.0564	2.7474	482.2692	2.8038	482.4820	2.6646	482.6948	2.6392
482.0614	2.7239	482.2742	2.8038	482.4871	2.6753	482.6999	2.6529
482.0665	2.7360	482.2793	2.7396	482.4921	2.6598	482.7050	2.6477
482.0716	2.7279	482.2844	2.7813	482.4972	2.7107	482.7100	2.6201
482.0766	2.7557	482.2895	2.7559	482.5023	2.6961	482.7151	2.7101
482.0817	2.7543	482.2945	2.6748	482.5073	2.7045	482.7202	2.6845
482.0868	2.7281	482.2996	2.6861	482.5124	2.7557	482.7252	2.7148



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
482.7303	2.6900	482.9431	2.5179	483.1559	2.3508	483.3687	2.4964
482.7354	2.6715	482.9482	2.5056	483.1610	2.3831	483.3738	2.5401
482.7404	2.7065	482.9532	2.4629	483.1660	2.3878	483.3788	2.5403
482.7455	2.7484	482.9583	2.4829	483.1711	2.3837	483.3839	2.5495
482.7505	2.7604	482.9633	2.4946	483.1762	2.3946	483.3890	2.5789
482.7556	2.7067	482.9684	2.5032	483.1812	2.3813	483.3941	2.5466
482.7607	2.7025	482.9735	2.5116	483.1863	2.4233	483.3991	2.5448
482.7657	2.6814	482.9786	2.5696	483.1914	2.4248	483.4042	2.5109
482.7708	2.6970	482.9836	2.5962	483.1964	2.3674	483.4093	2.5520
482.7759	2.6658	482.9887	2.5741	483.2015	2.3483	483.4143	2.5276
482.7809	2.6619	482.9938	2.5720	483.2066	2.3859	483.4194	2.5582
482.7860	2.6477	482.9988	2.5823	483.2116	2.4339	483.4245	2.4790
482.7911	2.6295	483.0039	2.5863	483.2167	2.3756	483.4295	2.5103
482.7961	2.6542	483.0090	2.5658	483.2218	2.3676	483.4346	2.5142
482.8012	2.6626	483.0140	2.4790	483.2268	2.3835	483.4397	2.5442
482.8063	2.6823	483.0191	2.5002	483.2319	2.3933	483.4447	2.4891
482.8113	2.6516	483.0242	2.4724	483.2370	2.4224	483.4498	2.4772
482.8164	2.7209	483.0292	2.4634	483.2420	2.3922	483.4549	2.4627
482.8215	2.5805	483.0343	2.5130	483.2471	2.4097	483.4599	2.4769
482.8265	2.6077	483.0394	2.5122	483.2522	2.4289	483.4650	2.4716
482.8316	2.5825	483.0444	2.5576	483.2573	2.4435	483.4701	2.5347
482.8367	2.6473	483.0495	2.4880	483.2623	2.4385	483.4751	2.5111
482.8418	2.6666	483.0546	2.5999	483.2674	2.4675	483.4802	2.4445
482.8468	2.5918	483.0596	2.5846	483.2725	2.4869	483.4853	2.4431
482.8519	2.5990	483.0647	2.5883	483.2775	2.4826	483.4903	2.5211
482.8570	2.5767	483.0698	2.5307	483.2826	2.4887	483.4954	2.5089
482.8620	2.5616	483.0748	2.4956	483.2877	2.5504	483.5005	2.5134
482.8671	2.5808	483.0799	2.5302	483.2927	2.5974	483.5055	2.5977
482.8722	2.5424	483.0850	2.5526	483.2978	2.6332	483.5106	2.5652
482.8772	2.5768	483.0900	2.4835	483.3029	2.5864	483.5157	2.5950
482.8823	2.5549	483.0951	2.4524	483.3079	2.6228	483.5208	2.5630
482.8874	2.6366	483.1002	2.4921	483.3130	2.6102	483.5258	2.5836
482.8924	2.5965	483.1052	2.4475	483.3181	2.6050	483.5309	2.5178
482.8975	2.5799	483.1103	2.3863	483.3231	2.6020	483.5359	2.5037
482.9026	2.5532	483.1154	2.3837	483.3282	2.5818	483.5410	2.4945
482.9076	2.5749	483.1205	2.4049	483.3333	2.5574	483.5461	2.4389
482.9127	2.5735	483.1255	2.3982	483.3383	2.5450	483.5511	2.4673
482.9178	2.5193	483.1306	2.3551	483.3434	2.5624	483.5562	2.4610
482.9228	2.4701	483.1357	2.3770	483.3484	2.5314	483.5613	2.4212
482.9279	2.5340	483.1407	2.3940	483.3535	2.5684	483.5663	2.4376
482.9330	2.5491	483.1458	2.3676	483.3586	2.5157	483.5714	2.4667
482.9380	2.4984	483.1508	2.3758	483.3636	2.5595	483.5765	2.4812



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
483.5815	2.4982	483.7944	2.5358	484.0072	2.7117	484.2200	2.7281
483.5866	2.4837	483.7994	2.5609	484.0122	2.6699	484.2251	2.7237
483.5917	2.4934	483.8045	2.5410	484.0173	2.6710	484.2301	2.7324
483.5967	2.4833	483.8096	2.5933	484.0224	2.6449	484.2352	2.7122
483.6018	2.4689	483.8146	2.5352	484.0274	2.6149	484.2403	2.7090
483.6069	2.4781	483.8197	2.5410	484.0325	2.6772	484.2453	2.7283
483.6119	2.4533	483.8248	2.5612	484.0376	2.6397	484.2504	2.6352
483.6170	2.5069	483.8298	2.5360	484.0426	2.6246	484.2555	2.6814
483.6221	2.4532	483.8349	2.5837	484.0477	2.6291	484.2605	2.6719
483.6271	2.4952	483.8400	2.5686	484.0528	2.6584	484.2656	2.6765
483.6322	2.4779	483.8450	2.6191	484.0578	2.7434	484.2707	2.6563
483.6373	2.5433	483.8501	2.6038	484.0629	2.7181	484.2757	2.6280
483.6423	2.4893	483.8552	2.6039	484.0680	2.7616	484.2808	2.6681
483.6474	2.4727	483.8602	2.6208	484.0731	2.7579	484.2859	2.6546
483.6525	2.4963	483.8653	2.5995	484.0781	2.7868	484.2909	2.6817
483.6576	2.4739	483.8704	2.5514	484.0832	2.7639	484.2960	2.6313
483.6626	2.4678	483.8754	2.5565	484.0883	2.7627	484.3011	2.7141
483.6677	2.4173	483.8805	2.5371	484.0933	2.7790	484.3061	2.7035
483.6728	2.4716	483.8856	2.5655	484.0984	2.7812	484.3112	2.7209
483.6778	2.4735	483.8906	2.5860	484.1035	2.7687	484.3163	2.6656
483.6829	2.5171	483.8957	2.5488	484.1085	2.8087	484.3213	2.7066
483.6880	2.4901	483.9008	2.5709	484.1136	2.8512	484.3264	2.6836
483.6930	2.5571	483.9058	2.5843	484.1187	2.8122	484.3315	2.7042
483.6981	2.5260	483.9109	2.5433	484.1237	2.7250	484.3365	2.6899
483.7032	2.5043	483.9160	2.5675	484.1288	2.7082	484.3416	2.7153
483.7082	2.5031	483.9210	2.5978	484.1339	2.7356	484.3467	2.7417
483.7133	2.4272	483.9261	2.5739	484.1389	2.7384	484.3517	2.7123
483.7184	2.4288	483.9312	2.5047	484.1440	2.7318	484.3568	2.7333
483.7234	2.4332	483.9362	2.5119	484.1490	2.7044	484.3619	2.7116
483.7285	2.4849	483.9413	2.4994	484.1541	2.7475	484.3669	2.7417
483.7336	2.4844	483.9464	2.5212	484.1592	2.7021	484.3720	2.7741
483.7386	2.4808	483.9514	2.4647	484.1642	2.7338	484.3771	2.7528
483.7437	2.5438	483.9565	2.5198	484.1693	2.6935	484.3821	2.7556
483.7487	2.5573	483.9616	2.5821	484.1744	2.7234	484.3872	2.7459
483.7538	2.5596	483.9666	2.5661	484.1794	2.7615	484.3923	2.7496
483.7589	2.5929	483.9717	2.6105	484.1845	2.7745	484.3973	2.7492
483.7639	2.5443	483.9768	2.6522	484.1896	2.7628	484.4024	2.7161
483.7690	2.5837	483.9818	2.6453	484.1946	2.8003	484.4075	2.7427
483.7741	2.6248	483.9869	2.6582	484.1997	2.7614	484.4125	2.7238
483.7791	2.6295	483.9920	2.6536	484.2048	2.7541	484.4176	2.6889
483.7842	2.6163	483.9970	2.6608	484.2099	2.7306	484.4227	2.6764
483.7893	2.5677	484.0021	2.6397	484.2149	2.7278	484.4277	2.6915



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
484.4328	2.6940	484.6456	2.7070	484.8584	2.7755	485.0713	2.6799
484.4379	2.6633	484.6507	2.6907	484.8635	2.7517	485.0763	2.7577
484.4429	2.7210	484.6558	2.6786	484.8686	2.8068	485.0814	2.6965
484.4480	2.7134	484.6608	2.7137	484.8736	2.7593	485.0865	2.6773
484.4531	2.7178	484.6659	2.7242	484.8787	2.7351	485.0915	2.7310
484.4581	2.7079	484.6710	2.7365	484.8838	2.7679	485.0966	2.6933
484.4632	2.7814	484.6760	2.6912	484.8889	2.7412	485.1017	2.7326
484.4683	2.7176	484.6811	2.6893	484.8939	2.7931	485.1067	2.7258
484.4733	2.7768	484.6862	2.6904	484.8990	2.7953	485.1118	2.6786
484.4784	2.7476	484.6912	2.7128	484.9041	2.8053	485.1169	2.6717
484.4835	2.7696	484.6963	2.6884	484.9091	2.8441	485.1219	2.6461
484.4886	2.7952	484.7014	2.6381	484.9142	2.8352	485.1270	2.6715
484.4936	2.7421	484.7064	2.6560	484.9193	2.8035	485.1320	2.7277
484.4987	2.7869	484.7115	2.6679	484.9243	2.7216	485.1371	2.7528
484.5038	2.7856	484.7166	2.6014	484.9294	2.7466	485.1422	2.7944
484.5088	2.7882	484.7216	2.6002	484.9344	2.6860	485.1472	2.7467
484.5139	2.7384	484.7267	2.6269	484.9395	2.7109	485.1523	2.8380
484.5190	2.7934	484.7318	2.6694	484.9446	2.7176	485.1574	2.8682
484.5240	2.7685	484.7368	2.6697	484.9496	2.7912	485.1625	2.9236
484.5291	2.7134	484.7419	2.6929	484.9547	2.8081	485.1675	2.9371
484.5341	2.7197	484.7470	2.7347	484.9598	2.8128	485.1726	2.9677
484.5392	2.7463	484.7520	2.7197	484.9648	2.7739	485.1777	2.8963
484.5443	2.7505	484.7571	2.7913	484.9699	2.7645	485.1827	2.8966
484.5493	2.7416	484.7622	2.7425	484.9750	2.7390	485.1878	2.9250
484.5544	2.7273	484.7672	2.7790	484.9800	2.7790	485.1929	2.9354
484.5595	2.7300	484.7723	2.7781	484.9851	2.7332	485.1979	2.9105
484.5645	2.7319	484.7774	2.7923	484.9902	2.7431	485.2030	2.8949
484.5696	2.6815	484.7824	2.8230	484.9952	2.7278	485.2081	2.8410
484.5747	2.7035	484.7875	2.7602	485.0003	2.7451	485.2131	2.8967
484.5797	2.7277	484.7926	2.7008	485.0054	2.7373	485.2182	2.8144
484.5848	2.7405	484.7976	2.6467	485.0104	2.7169	485.2233	2.7295
484.5899	2.7567	484.8027	2.6725	485.0155	2.7414	485.2283	2.7483
484.5949	2.7479	484.8078	2.5904	485.0206	2.7529	485.2334	2.7391
484.6000	2.7771	484.8128	2.6084	485.0257	2.6858	485.2385	2.7142
484.6051	2.7167	484.8179	2.6234	485.0307	2.6793	485.2435	2.6949
484.6102	2.7590	484.8230	2.6523	485.0358	2.6391	485.2486	2.7327
484.6152	2.7208	484.8280	2.6221	485.0409	2.6316	485.2537	2.7688
484.6203	2.7480	484.8331	2.6811	485.0459	2.6888	485.2587	2.7720
484.6254	2.7457	484.8382	2.6505	485.0510	2.6485	485.2633	2.8298
484.6304	2.7668	484.8432	2.6849	485.0561	2.6786	485.2689	2.7617
484.6355	2.7632	484.8483	2.7421	485.0611	2.6669	485.2739	2.7399
484.6406	2.7740	484.8534	2.7096	485.0662	2.7214	485.2790	2.7020



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
485.2841	2.8018	485.4969	2.5908	485.7097	2.6601	485.9198	2.8451
485.2891	2.7774	485.5020	2.5780	485.7148	2.7205	485.9249	2.8591
485.2942	2.7639	485.5070	2.6570	485.7198	2.7100	485.9300	2.7941
485.2993	2.8109	485.5121	2.6050	485.7249	2.7680	485.9351	2.7540
485.3044	2.7680	485.5172	2.6175	485.7300	2.7957	485.9401	2.7413
485.3094	2.7808	485.5222	2.6653	485.7350	2.8484	485.9452	2.6759
485.3145	2.7555	485.5273	2.7087	485.7401	2.7591	485.9503	2.6820
485.3195	2.7207	485.5323	2.6492	485.7452	2.8099	485.9554	2.6965
485.3246	2.7139	485.5374	2.6559	485.7502	2.7627	485.9604	2.7152
485.3297	2.7576	485.5425	2.6585	485.7553	2.6674	485.9655	2.7396
485.3347	2.7011	485.5475	2.6967	485.7604	2.6660	485.9706	2.7564
485.3398	2.6703	485.5526	2.6150	485.7654	2.6682	485.9757	2.7889
485.3449	2.6743	485.5577	2.6557	485.7705	2.6212	485.9807	2.7548
485.3499	2.7338	485.5627	2.6371	485.7756	2.5846	485.9858	2.8182
485.3550	2.7589	485.5678	2.6299	485.7806	2.6207	485.9909	2.7861
485.3601	2.7771	485.5729	2.6509	485.7857	2.6789	485.9960	2.7252
485.3651	2.7514	485.5780	2.6337	485.7908	2.6220	486.0011	2.6978
485.3702	2.7545	485.5830	2.6462	485.7958	2.5932	486.0061	2.7400
485.3753	2.7719	485.5881	2.6502	485.8009	2.6639	486.0112	2.8429
485.3803	2.7430	485.5932	2.6541	485.8060	2.6971	486.0163	2.8076
485.3854	2.7184	485.5982	2.5588	485.8110	2.7131	486.0214	2.7990
485.3905	2.7286	485.6033	2.6179	485.8161	2.6870	486.0265	2.8712
485.3955	2.6870	485.6084	2.6264	485.8212	2.6338	486.0315	2.9386
485.4006	2.6823	485.6134	2.5709	485.8262	2.7522	486.0366	2.9199
485.4057	2.6407	485.6185	2.6039	485.8284	2.7556	486.0417	2.9356
485.4107	2.7307	485.6236	2.6103	485.8335	2.7474	486.0468	2.9765
485.4158	2.7683	485.6286	2.6515	485.8386	2.6967	486.0518	2.9495
485.4209	2.7481	485.6337	2.6644	485.8437	2.7775	486.0569	2.9145
485.4259	2.7909	485.6388	2.6577	485.8487	2.7338	486.0620	2.9549
485.4310	2.8049	485.6438	2.6453	485.8538	2.7397	486.0671	2.9012
485.4361	2.7960	485.6489	2.7227	485.8589	2.7055	486.0722	2.9296
485.4412	2.7730	485.6540	2.7824	485.8640	2.7311	486.0772	2.8914
485.4462	2.7024	485.6590	2.8173	485.8690	2.7358	486.0823	2.8534
485.4513	2.7165	485.6641	2.8002	485.8741	2.7294	486.0874	2.8004
485.4564	2.6342	485.6692	2.7595	485.8792	2.7262	486.0925	2.8242
485.4614	2.6746	485.6742	2.8083	485.8843	2.7040	486.0976	2.7833
485.4665	2.6323	485.6793	2.7620	485.8893	2.7557	486.1026	2.7612
485.4716	2.6112	485.6844	2.6959	485.8944	2.8016	486.1077	2.7138
485.4766	2.6352	485.6894	2.7345	485.8995	2.8267	486.1128	2.7421
485.4817	2.6106	485.6945	2.7204	485.9046	2.8386	486.1179	2.8228
485.4868	2.6117	485.6996	2.6910	485.9097	2.8241	486.1230	2.8398
485.4918	2.6224	485.7047	2.7754	485.9147	2.8976	486.1280	2.8283



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
486.1331	2.8282	486.3464	2.9505	486.5597	2.7065	486.7729	2.6994
486.1382	2.8709	486.3515	2.8887	486.5648	2.6402	486.7780	2.7428
486.1432	2.8968	486.3565	2.8882	486.5698	2.7647	486.7831	2.7595
486.1483	2.8634	486.3616	2.9746	486.5749	2.7653	486.7882	2.7725
486.1534	2.8397	486.3667	2.9171	486.5800	2.7496	486.7933	2.7236
486.1585	2.8806	486.3718	2.8799	486.5851	2.7357	486.7983	2.7181
486.1636	2.8535	486.3769	2.7955	486.5901	2.7389	486.8034	2.7533
486.1686	2.9018	486.3819	2.8460	486.5952	2.7303	486.8085	2.7783
486.1737	2.8527	486.3870	2.7953	486.6003	2.7055	486.8136	2.7335
486.1788	2.8962	486.3921	2.7869	486.6054	2.6906	486.8187	2.7229
486.1839	2.8725	486.3972	2.8293	486.6104	2.6738	486.8237	2.6766
486.1890	2.8750	486.4023	2.8252	486.6155	2.6539	486.8288	2.6973
486.1940	2.8513	486.4073	2.8578	486.6206	2.6797	486.8339	2.6969
486.1991	2.8819	486.4124	2.8785	486.6257	2.6844	486.8390	2.6848
486.2042	2.9337	486.4175	2.8718	486.6308	2.6595	486.8441	2.7062
486.2093	2.9087	486.4225	2.8522	486.6358	2.6190	486.8491	2.7800
486.2144	2.9017	486.4276	2.9027	486.6409	2.6445	486.8542	2.7253
486.2194	2.8997	486.4327	2.9248	486.6460	2.7008	486.8593	2.7396
486.2245	2.9797	486.4378	2.9384	486.6511	2.6400	486.8643	2.7901
486.2296	2.9810	486.4429	2.9526	486.6562	2.6569	486.8694	2.7502
486.2347	2.9566	486.4479	2.9067	486.6612	2.6186	486.8745	2.6892
486.2397	2.9644	486.4530	2.9215	486.6663	2.7275	486.8796	2.7067
486.2448	2.9145	486.4581	2.9423	486.6714	2.6824	486.8847	2.7345
486.2499	2.9006	486.4632	2.8882	486.6765	2.7095	486.8897	2.7329
486.2550	2.8535	486.4683	2.8907	486.6815	2.6890	486.8948	2.7350
486.2601	2.8705	486.4733	2.8485	486.6866	2.7553	486.8999	2.7504
486.2651	2.8584	486.4784	2.8269	486.6917	2.7690	486.9050	2.7386
486.2702	2.9520	486.4835	2.8319	486.6968	2.7900	486.9101	2.7599
486.2753	2.9459	486.4886	2.7426	486.7019	2.8190	486.9151	2.7014
486.2804	3.0021	486.4937	2.7600	486.7069	2.7860	486.9202	2.7510
486.2855	2.9732	486.4987	2.7001	486.7120	2.7705	486.9253	2.7807
486.2905	3.0409	486.5038	2.7096	486.7171	2.7598	486.9304	2.8030
486.2956	2.9982	486.5089	2.7217	486.7222	2.7651	486.9355	2.7807
486.3007	2.9889	486.5140	2.7283	486.7273	2.7455	486.9405	2.8333
486.3058	2.8958	486.5190	2.7175	486.7323	2.7260	486.9456	2.7763
486.3109	2.9152	486.5241	2.7266	486.7374	2.7113	486.9507	2.8126
486.3159	2.8824	486.5292	2.7721	486.7425	2.6785	486.9558	2.7679
486.3210	2.9293	486.5343	2.6824	486.7476	2.5880	486.9608	2.7972
486.3261	2.8881	486.5394	2.7140	486.7527	2.6585	486.9659	2.8058
486.3311	2.9047	486.5444	2.7636	486.7577	2.6734	486.9710	2.8602
486.3362	2.9285	486.5495	2.6776	486.7628	2.6596	486.9761	2.8087
486.3413	2.9811	486.5546	2.7053	486.7679	2.6951	486.9812	2.8002



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
486.9862	2.8255	487.1995	2.6723	487.4128	2.7073	487.6261	2.7999
486.9913	2.7903	487.2046	2.6248	487.4179	2.7294	487.6312	2.7902
486.9964	2.8215	487.2097	2.6307	487.4230	2.6583	487.6363	2.7958
487.0015	2.7978	487.2148	2.6260	487.4280	2.7394	487.6413	2.8065
487.0066	2.7810	487.2198	2.6300	487.4331	2.6385	487.6464	2.7644
487.0116	2.7842	487.2249	2.6045	487.4382	2.6878	487.6515	2.7701
487.0167	2.7865	487.2300	2.5553	487.4433	2.6308	487.6566	2.7852
487.0218	2.8188	487.2351	2.6262	487.4484	2.6579	487.6617	2.7442
487.0269	2.7976	487.2401	2.6068	487.4534	2.6782	487.6667	2.8024
487.0320	2.8510	487.2452	2.7095	487.4585	2.6703	487.6718	2.7665
487.0370	2.7917	487.2503	2.6437	487.4636	2.7257	487.6769	2.7521
487.0421	2.8041	487.2554	2.6373	487.4687	2.7275	487.6819	2.7618
487.0472	2.7589	487.2605	2.6347	487.4738	2.7279	487.6870	2.6760
487.0522	2.7621	487.2655	2.6434	487.4788	2.7199	487.6921	2.6667
487.0573	2.7370	487.2706	2.5715	487.4839	2.6560	487.6972	2.7052
487.0624	2.7071	487.2757	2.5959	487.4890	2.6391	487.7023	2.6515
487.0675	2.7085	487.2808	2.5977	487.4940	2.6712	487.7073	2.7011
487.0726	2.7969	487.2859	2.6000	487.4991	2.6527	487.7124	2.6589
487.0776	2.7261	487.2909	2.6069	487.5042	2.6548	487.7175	2.6227
487.0827	2.6941	487.2960	2.6208	487.5093	2.6841	487.7226	2.5990
487.0878	2.6589	487.3011	2.5952	487.5144	2.6618	487.7277	2.6545
487.0929	2.6888	487.3062	2.5931	487.5194	2.7076	487.7327	2.5974
487.0980	2.7019	487.3112	2.5660	487.5245	2.7046	487.7378	2.6438
487.1030	2.6617	487.3163	2.6221	487.5296	2.7782	487.7429	2.5964
487.1081	2.6656	487.3214	2.7084	487.5347	2.7537	487.7480	2.6440
487.1132	2.7030	487.3265	2.6830	487.5398	2.7983	487.7531	2.7273
487.1183	2.6857	487.3315	2.6724	487.5448	2.7507	487.7581	2.7484
487.1234	2.6986	487.3366	2.7221	487.5499	2.7281	487.7632	2.7159
487.1284	2.6413	487.3417	2.7194	487.5550	2.7339	487.7683	2.7580
487.1335	2.6654	487.3468	2.7037	487.5601	2.7302	487.7733	2.7790
487.1386	2.5431	487.3519	2.6969	487.5652	2.7054	487.7784	2.7428
487.1437	2.5847	487.3569	2.7395	487.5702	2.6376	487.7835	2.8175
487.1487	2.5963	487.3620	2.7327	487.5753	2.6716	487.7886	2.7826
487.1538	2.5434	487.3671	2.7260	487.5804	2.6400	487.7937	2.7625
487.1589	2.5169	487.3722	2.7074	487.5855	2.6538	487.7987	2.7360
487.1640	2.6044	487.3773	2.6922	487.5905	2.6203	487.8038	2.7570
487.1691	2.5709	487.3823	2.7010	487.5956	2.6672	487.8089	2.7215
487.1741	2.6627	487.3874	2.6847	487.6007	2.7956	487.8140	2.7399
487.1792	2.6721	487.3925	2.6637	487.6058	2.7024	487.8191	2.7055
487.1843	2.6875	487.3976	2.6921	487.6109	2.7786	487.8241	2.7099
487.1894	2.6186	487.4026	2.6440	487.6159	2.7668	487.8292	2.7390
487.1945	2.6643	487.4077	2.7294	487.6210	2.8356	487.8343	2.7053



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
487.8394	2.7292	488.0527	2.8128	488.2659	2.8062	488.4792	3.3023
487.8445	2.6753	488.0577	2.7820	488.2710	2.8166	488.4843	3.2856
487.8495	2.6987	488.0628	2.7573	488.2761	2.8396	488.4894	3.2424
487.8546	2.7726	488.0679	2.8322	488.2812	2.8507	488.4945	3.2875
487.8597	2.7481	488.0730	2.7879	488.2863	2.8154	488.4995	3.2627
487.8648	2.7828	488.0781	2.7939	488.2914	2.8942	488.5046	3.2268
487.8698	2.8115	488.0831	2.8929	488.2964	2.8984	488.5097	3.1818
487.8749	2.7662	488.0882	2.8776	488.3015	2.8874	488.5148	3.2531
487.8800	2.7686	488.0933	2.7830	488.3066	2.9105	488.5199	3.2796
487.8851	2.8020	488.0984	2.8131	488.3116	3.0080	488.5249	3.4017
487.8902	2.7679	488.1035	2.8747	488.3167	3.0204	488.5300	3.2533
487.8952	2.7364	488.1085	2.8603	488.3218	2.9470	488.5351	3.3623
487.9003	2.6445	488.1136	2.8599	488.3269	2.9787	488.5402	3.2996
487.9054	2.7600	488.1187	2.9097	488.3320	2.9978	488.5453	3.3613
487.9105	2.7036	488.1237	2.9427	488.3370	2.9589	488.5503	3.4093
487.9156	2.6826	488.1288	2.8815	488.3421	2.9590	488.5554	3.3824
487.9206	2.7339	488.1339	2.8755	488.3472	2.9692	488.5605	3.2538
487.9257	2.7383	488.1390	2.8363	488.3523	2.9531	488.5656	3.2888
487.9308	2.7596	488.1441	2.8729	488.3574	2.9493	488.5706	3.3758
487.9359	2.7020	488.1491	2.8763	488.3624	2.9690	488.5757	3.2283
487.9409	2.6915	488.1542	2.8750	488.3675	2.9940	488.5808	3.1804
487.9460	2.7411	488.1593	2.9331	488.3726	3.0662	488.5859	3.1156
487.9511	2.6820	488.1644	2.9348	488.3777	3.1166	488.5909	3.1871
487.9562	2.7032	488.1695	2.8860	488.3828	3.1885	488.5960	3.2521
487.9612	2.7910	488.1745	2.8862	488.3878	3.1625	488.6011	3.2383
487.9663	2.7568	488.1796	2.9104	488.3929	3.2040	488.6062	3.2414
487.9714	2.8222	488.1847	2.8399	488.3980	3.2875	488.6113	3.2450
487.9765	2.7448	488.1898	2.7816	488.4030	3.3143	488.6163	3.2447
487.9816	2.7904	488.1949	2.8368	488.4081	3.2380	488.6214	3.2514
487.9866	2.7435	488.1999	2.8815	488.4132	3.2444	488.6265	3.2030
487.9917	2.7849	488.2050	2.8952	488.4183	3.2956	488.6316	3.2692
487.9968	2.7641	488.2101	2.8776	488.4234	3.3115	488.6367	3.2608
488.0019	2.7487	488.2151	2.9431	488.4284	3.2755	488.6417	3.2540
488.0070	2.7174	488.2202	3.0389	488.4335	3.2951	488.6468	3.3644
488.0120	2.6668	488.2253	3.0877	488.4386	3.2719	488.6519	3.3203
488.0171	2.7754	488.2304	3.1080	488.4437	3.3213	488.6570	3.3515
488.0222	2.8061	488.2355	3.0341	488.4488	3.2984	488.6620	3.3375
488.0273	2.7105	488.2405	3.0110	488.4538	3.2321	488.6671	3.4219
488.0323	2.7586	488.2456	2.9596	488.4589	3.2796	488.6722	3.4367
488.0374	2.7587	488.2507	2.9278	488.4640	3.3277	488.6773	3.4287
488.0425	2.7509	488.2558	2.8517	488.4691	3.2962	488.6823	3.3815
488.0476	2.7543	488.2609	2.7713	488.4742	3.3516	488.6874	3.3929



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
488.6925	3.4662	488.9058	3.8168	489.1191	3.3206	489.3324	3.1474
488.6976	3.4682	488.9109	3.7170	489.1241	3.2975	489.3374	3.1593
488.7027	3.4351	488.9160	3.7692	489.1292	3.2753	489.3425	3.1588
488.7077	3.4241	488.9210	3.6563	489.1343	3.3143	489.3476	3.2313
488.7128	3.3852	488.9261	3.5401	489.1394	3.2561	489.3527	3.1185
488.7179	3.4097	488.9312	3.6190	489.1445	3.1910	489.3578	3.1727
488.7230	3.4017	488.9363	3.5952	489.1495	3.1710	489.3628	3.1973
488.7281	3.3514	488.9413	3.5271	489.1546	3.1835	489.3679	3.2553
488.7332	3.4081	488.9464	3.4331	489.1597	3.1558	489.3730	3.2503
488.7382	3.4515	488.9515	3.5042	489.1648	3.1690	489.3781	3.1746
488.7433	3.5094	488.9566	3.5269	489.1699	3.2240	489.3831	3.2503
488.7484	3.4958	488.9617	3.4751	489.1750	3.2880	489.3882	3.2672
488.7534	3.4679	488.9667	3.5534	489.1800	3.2218	489.3933	3.2868
488.7585	3.5155	488.9718	3.5526	489.1851	3.2208	489.3984	3.2953
488.7636	3.3638	488.9769	3.5357	489.1902	3.2345	489.4035	3.2838
488.7687	3.3268	488.9820	3.5625	489.1953	3.1750	489.4085	3.2364
488.7738	3.3373	488.9871	3.6010	489.2003	3.1868	489.4136	3.1769
488.7788	3.2554	488.9921	3.5853	489.2054	3.1642	489.4187	3.2241
488.7839	3.1881	488.9972	3.4996	489.2105	3.1942	489.4238	3.2939
488.7890	3.3044	489.0023	3.5281	489.2156	3.1451	489.4289	3.2755
488.7941	3.2781	489.0074	3.5321	489.2206	3.1555	489.4339	3.2212
488.7992	3.3192	489.0125	3.4842	489.2257	3.1912	489.4390	3.2774
488.8042	3.2008	489.0175	3.5862	489.2308	3.1978	489.4441	3.2569
488.8093	3.3580	489.0226	3.4280	489.2359	3.1793	489.4492	3.1450
488.8144	3.2868	489.0277	3.5449	489.2410	3.1134	489.4543	3.1585
488.8195	3.2908	489.0327	3.5415	489.2460	3.1326	489.4593	3.1134
488.8246	3.2745	489.0378	3.5648	489.2511	3.1804	489.4644	3.1462
488.8296	3.3207	489.0429	3.4433	489.2562	3.1768	489.4695	3.0817
488.8347	3.3438	489.0480	3.4028	489.2613	3.1644	489.4745	3.1060
488.8398	3.3936	489.0531	3.4179	489.2664	3.1522	489.4796	3.0918
488.8448	3.4765	489.0581	3.3823	489.2714	3.1536	489.4847	3.1084
488.8499	3.4166	489.0632	3.2992	489.2765	3.0748	489.4898	3.1134
488.8550	3.4529	489.0683	3.2351	489.2816	3.1467	489.4949	3.1247
488.8601	3.3957	489.0734	3.1098	489.2867	3.0926	489.4999	3.0956
488.8652	3.4418	489.0785	3.1427	489.2917	3.1866	489.5050	3.2223
488.8702	3.4204	489.0835	3.1297	489.2968	3.1595	489.5101	3.3285
488.8753	3.5048	489.0886	3.1992	489.3019	3.2046	489.5152	3.3243
488.8804	3.6349	489.0937	3.2636	489.3070	3.1674	489.5203	3.3897
488.8855	3.5653	489.0988	3.2892	489.3120	3.1795	489.5253	3.3393
488.8906	3.5857	489.1039	3.2737	489.3171	3.2422	489.5304	3.3211
488.8956	3.6073	489.1089	3.3002	489.3222	3.2159	489.5355	3.4432
488.9007	3.7053	489.1140	3.3608	489.3273	3.1435	489.5406	3.4074



Table 8. High Resolution Absorption Cross Section from 520–534 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
489.5457	3.3040	489.7031	3.1020	489.8605	3.0451	490.0128	3.1256
489.5507	3.3071	489.7082	3.0583	489.8656	3.1465	490.0179	3.1553
489.5558	3.2836	489.7132	3.0041	489.8707	3.1049	490.0230	3.1025
489.5609	3.3365	489.7183	3.0591	489.8757	3.0305	490.0281	3.0010
489.5659	3.3002	489.7234	3.0000	489.8808	3.0118	490.0332	2.9738
489.5710	3.2449	489.7285	3.0838	489.8859	3.0599	490.0382	3.0244
489.5761	3.1949	489.7336	3.0184	489.8910	3.0583	490.0433	2.9259
489.5812	3.1107	489.7386	3.0321	489.8961	3.0597	490.0484	3.0433
489.5863	3.0370	489.7437	3.0465	489.9011	3.0823	490.0535	2.9950
489.5914	3.0705	489.7488	3.0770	489.9062	3.0772	490.0586	3.0423
489.5964	3.0512	489.7538	3.0330	489.9113	3.0579	490.0636	2.9569
489.6015	3.0533	489.7589	3.1328	489.9164	3.0273	490.0687	3.0734
489.6066	3.1180	489.7640	3.1054	489.9214	3.0054	490.0738	3.1601
489.6117	3.1152	489.7691	3.0945	489.9265	3.0933	490.0789	2.9750
489.6168	3.1136	489.7742	3.1545	489.9316	3.0382	490.0840	2.9937
489.6218	3.1266	489.7792	3.2242	489.9367	2.9958	490.0890	3.0072
489.6269	3.1109	489.7843	3.0872	489.9417	3.0468	490.0941	3.1305
489.6320	3.0869	489.7894	3.1663	489.9468	3.0492	490.0992	3.0703
489.6371	3.0951	489.7945	3.1931	489.9519	2.9971	490.1042	3.1114
489.6422	3.1362	489.7996	3.2264	489.9570	2.9665	490.1093	3.0353
489.6472	3.1495	489.8046	3.1303	489.9621	3.0274	490.1144	3.0450
489.6523	3.0847	489.8097	3.1327	489.9671	2.9412	490.1195	3.0922
489.6574	3.1292	489.8148	3.0603	489.9722	2.9607	490.1246	3.0065
489.6624	3.1640	489.8199	3.0962	489.9773	3.0756	490.1296	3.0264
489.6675	3.1785	489.8250	3.1197	489.9824	3.0911	490.1347	3.0007
489.6726	3.1271	489.8300	3.0964	489.9875	3.0363	490.1398	2.8745
489.6777	3.0582	489.8351	3.0885	489.9925	3.0938	490.1449	2.9410
489.6828	3.1456	489.8402	3.1028	489.9976	3.1345	490.1500	2.9873
489.6878	3.0862	489.8453	3.1480	490.0027	3.1863	490.1550	2.9224
489.6929	3.0481	489.8503	3.0877	490.0078	3.1112	490.1601	2.9572
489.6980	3.0792	489.8554	3.1233				



Table 9. High Resolution Absorption Cross Section from 520-534 nm at 673K

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
520.0031	2.0255	520.2179	1.9742	520.4327	1.9268	520.6475	1.8122
520.0082	1.9950	520.2230	1.9702	520.4379	1.8561	520.6526	1.8051
520.0132	1.9899	520.2281	1.9545	520.4430	1.9274	520.6578	1.7674
520.0184	2.0192	520.2333	2.0094	520.4481	1.8845	520.6629	1.8296
520.0235	2.0126	520.2384	1.8988	520.4532	1.9008	520.6680	1.9269
520.0286	2.0771	520.2435	1.9183	520.4583	1.9570	520.6732	1.8190
520.0338	1.9809	520.2486	1.9060	520.4634	1.8803	520.6782	1.9168
520.0389	1.9768	520.2537	1.9741	520.4686	1.8638	520.6833	1.8926
520.0439	1.9328	520.2589	2.0018	520.4736	1.8281	520.6885	1.8433
520.0491	1.9305	520.2640	1.9790	520.4788	1.8049	520.6936	1.8400
520.0542	1.9543	520.2691	1.9334	520.4839	1.7920	520.6987	1.8288
520.0593	1.9296	520.2742	1.9065	520.4890	1.8710	520.7038	1.9459
520.0645	1.9515	520.2793	1.8864	520.4941	1.8391	520.7089	1.8878
520.0696	1.9721	520.2844	1.9370	520.4993	1.8889	520.7141	1.9107
520.0746	2.0251	520.2896	1.9142	520.5043	1.8637	520.7192	1.8743
520.0798	1.9940	520.2947	1.9869	520.5095	1.9038	520.7243	1.8503
520.0849	1.9842	520.2998	1.9800	520.5146	1.8833	520.7294	1.8732
520.0900	2.0471	520.3049	2.1527	520.5197	1.9141	520.7345	1.8537
520.0952	2.1038	520.3100	2.0107	520.5248	1.8922	520.7396	1.8383
520.1002	2.0918	520.3151	1.9409	520.5300	1.8665	520.7447	1.8596
520.1053	2.1431	520.3203	1.9258	520.5350	1.8860	520.7498	1.8188
520.1105	2.1053	520.3254	1.8912	520.5402	1.8138	520.7549	1.8089
520.1156	2.1137	520.3304	1.9300	520.5453	1.8213	520.7601	1.8067
520.1207	2.0070	520.3355	2.0512	520.5504	1.8437	520.7651	1.8408
520.1259	2.0448	520.3406	1.9811	520.5555	1.8570	520.7703	1.8572
520.1309	1.9856	520.3458	2.0615	520.5606	1.8573	520.7754	1.8967
520.1360	1.9763	520.3509	1.9768	520.5657	1.8757	520.7805	1.8628
520.1412	1.9758	520.3560	1.9723	520.5709	1.8680	520.7856	1.8664
520.1463	2.0837	520.3611	1.9791	520.5759	1.8921	520.7907	1.8426
520.1514	2.0683	520.3662	2.0254	520.5811	1.9223	520.7958	1.8457
520.1565	2.0223	520.3713	1.9550	520.5862	1.9511	520.8010	1.8686
520.1616	2.1101	520.3765	1.9556	520.5912	1.8835	520.8061	1.9240
520.1667	2.0612	520.3816	1.9401	520.5964	1.9154	520.8112	1.8453
520.1719	2.0485	520.3867	1.9515	520.6015	1.8849	520.8163	1.8665
520.1770	2.0321	520.3918	1.9587	520.6066	1.8689	520.8214	1.8748
520.1821	2.0526	520.3969	1.9838	520.6118	1.9307	520.8265	1.9587
520.1872	2.0029	520.4020	1.9616	520.6168	1.8846	520.8317	1.8887
520.1923	1.9179	520.4072	1.9958	520.6219	1.8824	520.8368	1.8903
520.1974	1.9707	520.4123	1.9023	520.6271	1.8252	520.8419	1.8968
520.2026	1.9806	520.4174	1.8709	520.6322	1.8048	520.8470	1.8783
520.2077	1.9957	520.4225	1.9486	520.6373	1.7957	520.8521	1.8810
520.2128	1.9699	520.4276	1.8896	520.6425	1.8584	520.8572	1.8948



Table 9. High Resolution Absorption Cross Section from 520–534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
520.8624	1.9579	521.0771	1.9142	521.2918	1.7577	521.5066	1.7448
520.8675	1.8810	521.0822	1.8706	521.2969	1.7133	521.5117	1.7915
520.8726	1.8989	521.0873	1.7174	521.3021	1.7201	521.5168	1.8292
520.8777	1.8307	521.0925	1.7665	521.3072	1.7224	521.5219	1.7312
520.8828	1.8655	521.0976	1.7771	521.3123	1.7138	521.5270	1.6554
520.8879	1.9362	521.1027	1.7982	521.3174	1.7562	521.5321	1.6891
520.8930	1.9475	521.1077	1.7747	521.3225	1.7359	521.5372	1.7179
520.8981	1.8645	521.1129	1.7420	521.3276	1.7704	521.5423	1.6922
520.9033	1.8331	521.1180	1.7757	521.3328	1.7505	521.5474	1.7595
520.9083	1.7945	521.1231	1.7432	521.3378	1.7290	521.5526	1.7693
520.9135	1.7967	521.1282	1.7681	521.3430	1.7147	521.5577	1.8119
520.9186	1.8611	521.1334	1.6895	521.3481	1.8189	521.5628	1.8119
520.9237	1.8788	521.1384	1.6723	521.3532	1.8056	521.5679	1.7779
520.9288	1.8505	521.1436	1.7143	521.3583	1.7516	521.5730	1.7973
520.9339	1.8767	521.1487	1.7425	521.3635	1.7761	521.5781	1.7960
520.9390	1.8611	521.1538	1.7560	521.3685	1.6736	521.5833	1.8000
520.9442	1.7911	521.1589	1.7909	521.3736	1.6867	521.5884	1.7605
520.9493	1.8498	521.1640	1.8087	521.3787	1.7197	521.5934	1.7625
520.9544	1.9106	521.1691	1.7604	521.3839	1.7567	521.5985	1.7598
520.9595	1.9284	521.1743	1.7733	521.3890	1.7712	521.6036	1.7878
520.9646	1.9008	521.1794	1.7422	521.3940	1.7519	521.6088	1.7190
520.9697	1.8897	521.1845	1.7038	521.3992	1.7830	521.6139	1.7626
520.9749	1.8547	521.1896	1.7133	521.4043	1.7525	521.6190	1.7884
520.9800	1.8347	521.1947	1.7163	521.4094	1.7429	521.6241	1.8019
520.9851	1.8004	521.1998	1.6865	521.4146	1.7239	521.6292	1.8320
520.9902	1.7724	521.2049	1.6935	521.4197	1.7151	521.6343	1.8117
520.9953	1.8141	521.2100	1.7653	521.4247	1.6944	521.6395	1.7879
521.0004	1.8003	521.2151	1.7058	521.4299	1.7532	521.6446	1.7059
521.0055	1.7786	521.2203	1.7415	521.4350	1.7257	521.6497	1.7725
521.0106	1.8142	521.2253	1.7472	521.4401	1.7397	521.6548	1.8104
521.0157	1.8128	521.2305	1.7439	521.4453	1.7199	521.6599	1.8431
521.0208	1.8543	521.2356	1.7597	521.4503	1.7615	521.6650	1.9118
521.0259	1.8800	521.2407	1.7615	521.4554	1.6954	521.6701	1.8754
521.0311	1.7969	521.2458	1.7527	521.4605	1.7596	521.6752	1.8314
521.0362	1.7616	521.2509	1.7504	521.4656	1.7396	521.6804	1.7790
521.0413	1.8718	521.2560	1.6524	521.4708	1.7741	521.6854	1.6935
521.0464	1.8006	521.2612	1.6536	521.4759	1.7587	521.6906	1.7718
521.0515	1.7644	521.2663	1.6845	521.4810	1.8250	521.6957	1.7973
521.0566	1.7579	521.2714	1.7385	521.4861	1.7788	521.7008	1.8503
521.0618	1.7351	521.2766	1.6646	521.4912	1.7610	521.7059	1.8050
521.0669	1.8066	521.2816	1.6735	521.4963	1.7205	521.7110	1.8205
521.0720	1.8061	521.2867	1.7960	521.5015	1.7594	521.7161	1.8096



Table 9. High Resolution Absorption Cross Section from 520-534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
521.7213	1.7372	521.9359	1.8176	522.1505	1.7225	522.3652	1.7599
521.7263	1.7906	521.9410	1.7897	522.1556	1.7709	522.3703	1.8024
521.7314	1.7690	521.9461	1.8302	522.1608	1.8137	522.3753	1.7380
521.7366	1.7932	521.9512	1.7894	522.1659	1.8059	522.3804	1.7818
521.7416	1.9033	521.9564	1.7967	522.1710	1.7264	522.3856	1.7855
521.7468	1.9288	521.9615	1.7663	522.1761	1.8343	522.3907	1.7661
521.7519	1.8140	521.9666	1.8842	522.1812	1.8150	522.3958	1.7857
521.7570	1.7947	521.9716	1.7864	522.1863	1.8453	522.4009	1.8211
521.7621	1.8135	521.9767	1.8338	522.1914	1.8325	522.4060	1.8197
521.7673	1.8136	521.9819	1.8158	522.1965	1.8409	522.4111	1.7906
521.7723	1.8287	521.9870	1.7355	522.2016	1.9532	522.4163	1.7096
521.7775	1.9015	521.9921	1.7624	522.2067	1.8908	522.4213	1.7269
521.7826	1.8438	521.9973	1.7563	522.2119	1.8907	522.4265	1.7918
521.7877	1.8604	522.0023	1.7761	522.2170	1.8024	522.4315	1.7526
521.7928	1.7887	522.0074	1.8019	522.2221	1.8332	522.4366	1.7392
521.7979	1.8009	522.0126	1.7653	522.2272	1.7333	522.4418	1.6811
521.8030	1.8119	522.0177	1.8059	522.2322	1.8209	522.4469	1.6468
521.8081	1.8096	522.0228	1.8052	522.2374	1.8397	522.4520	1.7081
521.8132	1.8205	522.0278	1.7775	522.2425	1.7610	522.4572	1.7513
521.8184	1.8522	522.0330	1.8215	522.2476	1.7661	522.4622	1.6442
521.8235	1.8419	522.0381	1.8635	522.2527	1.7767	522.4673	1.7531
521.8286	1.8301	522.0432	1.8204	522.2578	1.7743	522.4724	1.7634
521.8337	1.7855	522.0483	1.8330	522.2629	1.7786	522.4775	1.6786
521.8388	1.7394	522.0535	1.8537	522.2681	1.7876	522.4827	1.7096
521.8439	1.8678	522.0585	1.7945	522.2732	1.8154	522.4877	1.7679
521.8491	1.8297	522.0637	1.8983	522.2783	1.8097	522.4929	1.8078
521.8541	1.8256	522.0688	1.9270	522.2834	1.8856	522.4980	1.6948
521.8592	1.8095	522.0739	1.8792	522.2885	1.9038	522.5031	1.8331
521.8643	1.8472	522.0790	1.8442	522.2936	1.7714	522.5082	1.7963
521.8694	1.7671	522.0840	1.9532	522.2987	1.8765	522.5133	1.7659
521.8746	1.7557	522.0892	1.8877	522.3038	1.8639	522.5184	1.7894
521.8797	1.7679	522.0943	1.8505	522.3090	1.8138	522.5235	1.7770
521.8848	1.7711	522.0994	1.8110	522.3140	1.7534	522.5286	1.7955
521.8899	1.7593	522.1046	1.8272	522.3192	1.7979	522.5338	1.8175
521.8950	1.7652	522.1097	1.8763	522.3243	1.8625	522.5389	1.7768
521.9001	1.7732	522.1147	1.7926	522.3293	1.8145	522.5439	1.7623
521.9053	1.7922	522.1199	1.7488	522.3345	1.7691	522.5491	1.7624
521.9103	1.7577	522.1250	1.7637	522.3396	1.8224	522.5541	1.7990
521.9154	1.7477	522.1301	1.8227	522.3447	1.8320	522.5593	1.8364
521.9205	1.7685	522.1352	1.7626	522.3498	1.8861	522.5644	1.8644
521.9257	1.8026	522.1403	1.6890	522.3549	1.8216	522.5695	1.8134
521.9308	1.7971	522.1454	1.7526	522.3600	1.7844	522.5746	1.7691



Table 9. High Resolution Absorption Cross Section from 520–534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
522.5797	1.8095	522.7943	1.8790	523.0088	1.7493	523.2233	1.7824
522.5848	1.8177	522.7994	1.8955	523.0139	1.6795	523.2285	1.8570
522.5900	1.7724	522.8044	1.7696	523.0190	1.7105	523.2335	1.7497
522.5950	1.7461	522.8096	1.8006	523.0242	1.6809	523.2386	1.7393
522.6002	1.7454	522.8147	1.8534	523.0292	1.7098	523.2437	1.7752
522.6052	1.8660	522.8198	1.8616	523.0343	1.6904	523.2488	1.8068
522.6104	1.9368	522.8250	1.7434	523.0394	1.7425	523.2540	1.7501
522.6155	1.8673	522.8301	1.7645	523.0446	1.7647	523.2591	1.8076
522.6206	1.8709	522.8351	1.8320	523.0497	1.8159	523.2642	1.8077
522.6257	1.8683	522.8402	1.7907	523.0548	1.8152	523.2693	1.8395
522.6308	1.7693	522.8453	1.7496	523.0599	1.8026	523.2744	1.7480
522.6359	1.8322	522.8505	1.8028	523.0649	1.8056	523.2795	1.7396
522.6410	1.8441	522.8556	1.7978	523.0701	1.7996	523.2846	1.7444
522.6461	1.8409	522.8607	1.8113	523.0752	1.8279	523.2897	1.7466
522.6512	1.8023	522.8658	1.7724	523.0803	1.7907	523.2948	1.7204
522.6564	1.7973	522.8709	1.7610	523.0854	1.7498	523.2999	1.7551
522.6614	1.7713	522.8760	1.7951	523.0905	1.8715	523.3050	1.7327
522.6666	1.8568	522.8811	1.7872	523.0956	1.8003	523.3101	1.7369
522.6717	1.8090	522.8862	1.7330	523.1007	1.7065	523.3152	1.7235
522.6768	1.7789	522.8913	1.7579	523.1058	1.7108	523.3203	1.8128
522.6819	1.7882	522.8964	1.7635	523.1110	1.7220	523.3254	1.7722
522.6870	1.7597	522.9016	1.7546	523.1161	1.8298	523.3306	1.7094
522.6921	1.7987	522.9067	1.7289	523.1212	1.7518	523.3357	1.7141
522.6972	1.8133	522.9118	1.7364	523.1263	1.7697	523.3408	1.7367
522.7023	1.7393	522.9169	1.8031	523.1314	1.7011	523.3459	1.8634
522.7075	1.7254	522.9219	1.7674	523.1365	1.6813	523.3510	1.8846
522.7126	1.8100	522.9271	1.7163	523.1416	1.7200	523.3561	1.7693
522.7177	1.8298	522.9322	1.7494	523.1467	1.7178	523.3612	1.7730
522.7227	1.7174	522.9373	1.7793	523.1518	1.7325	523.3663	1.8347
522.7278	1.7867	522.9424	1.7995	523.1569	1.7560	523.3714	1.7758
522.7330	1.7451	522.9475	1.7920	523.1620	1.8021	523.3765	1.9397
522.7381	1.7921	522.9526	1.8294	523.1672	1.7789	523.3816	1.9563
522.7432	1.7810	522.9577	1.8214	523.1722	1.7678	523.3867	1.8568
522.7483	1.8104	522.9628	1.7462	523.1773	1.8538	523.3918	1.9063
522.7534	1.8149	522.9680	1.7894	523.1824	1.8240	523.3970	1.8366
522.7585	1.8551	522.9731	1.7171	523.1876	1.9746	523.4021	1.9356
522.7636	1.8033	522.9781	1.7883	523.1927	1.8450	523.4071	1.8999
522.7687	1.8545	522.9833	1.7584	523.1978	1.8684	523.4122	1.8079
522.7738	1.8309	522.9884	1.7911	523.2029	1.8557	523.4174	1.7647
522.7789	1.8501	522.9935	1.8100	523.2079	1.7706	523.4225	1.8036
522.7841	1.8476	522.9986	1.7749	523.2131	1.8568	523.4276	1.8246
522.7892	1.8685	523.0037	1.7816	523.2182	1.8843	523.4327	1.8701



Table 9. High Resolution Absorption Cross Section from 520–534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
523.4377	1.7869	523.6523	1.6187	523.8666	1.7293	524.0811	2.1635
523.4429	1.7032	523.6573	1.6636	523.8718	1.7610	524.0862	2.0038
523.4480	1.7774	523.6625	1.5805	523.8769	1.7853	524.0913	1.9641
523.4531	1.7015	523.6675	1.6846	523.8820	1.7968	524.0964	2.0088
523.4583	1.7598	523.6727	1.6581	523.8871	1.7994	524.1015	1.8686
523.4633	1.6780	523.6778	1.6553	523.8922	1.7613	524.1066	1.8763
523.4684	1.6915	523.6829	1.6629	523.8973	1.7875	524.1117	1.9448
523.4735	1.6719	523.6880	1.6620	523.9024	1.7624	524.1168	1.8602
523.4786	1.7034	523.6931	1.6995	523.9075	1.8103	524.1219	1.8483
523.4838	1.6829	523.6982	1.7427	523.9127	1.7902	524.1270	1.8757
523.4889	1.6541	523.7033	1.7562	523.9177	1.7175	524.1321	1.8629
523.4940	1.6451	523.7084	1.7763	523.9229	1.7526	524.1372	1.7910
523.4991	1.6942	523.7135	1.7184	523.9279	1.7793	524.1423	1.8046
523.5042	1.7480	523.7186	1.7254	523.9330	1.7437	524.1475	1.8561
523.5093	1.7218	523.7237	1.7454	523.9382	1.7624	524.1526	1.8442
523.5144	1.7204	523.7288	1.7676	523.9433	1.7564	524.1577	1.7933
523.5195	1.7692	523.7339	1.8376	523.9484	1.7991	524.1627	1.8880
523.5246	1.7634	523.7391	1.6926	523.9534	1.7813	524.1678	1.8902
523.5297	1.7497	523.7441	1.7750	523.9586	1.6998	524.1730	1.7926
523.5348	1.7723	523.7493	1.7495	523.9637	1.7057	524.1781	1.7939
523.5399	1.7923	523.7543	1.7679	523.9688	1.6948	524.1832	1.8115
523.5450	1.7702	523.7595	1.7709	523.9739	1.6696	524.1882	1.8310
523.5501	1.7728	523.7646	1.7289	523.9790	1.7011	524.1934	1.8266
523.5552	1.7167	523.7697	1.7556	523.9841	1.6969	524.1985	1.7746
523.5604	1.6471	523.7748	1.7156	523.9892	1.7365	524.2036	1.7363
523.5654	1.6662	523.7798	1.7088	523.9943	1.7033	524.2087	1.8825
523.5706	1.7348	523.7850	1.7659	523.9994	1.7256	524.2138	1.8298
523.5757	1.6855	523.7901	1.7939	524.0045	1.7247	524.2189	1.8684
523.5807	1.6885	523.7952	1.7478	524.0096	1.7790	524.2240	1.8388
523.5859	1.7475	523.8004	1.7661	524.0147	1.7666	524.2291	1.7937
523.5910	1.6916	523.8054	1.7419	524.0198	1.7802	524.2343	1.7526
523.5961	1.7674	523.8105	1.6751	524.0250	1.7516	524.2393	1.8122
523.6012	1.6988	523.8156	1.6599	524.0300	1.7603	524.2444	1.8787
523.6063	1.6798	523.8207	1.6786	524.0352	1.7757	524.2495	1.7823
523.6114	1.6856	523.8259	1.7054	524.0402	1.8057	524.2546	1.8356
523.6165	1.7376	523.8309	1.7274	524.0453	1.8134	524.2598	1.8890
523.6216	1.8058	523.8361	1.7265	524.0505	1.7746	524.2649	1.9218
523.6267	1.7721	523.8411	1.6732	524.0555	1.8268	524.2699	1.8610
523.6318	1.7449	523.8463	1.7406	524.0607	1.9083	524.2750	1.9602
523.6369	1.7879	523.8514	1.7107	524.0658	2.0005	524.2802	1.8738
523.6420	1.8194	523.8565	1.7469	524.0709	1.9637	524.2853	1.8776
523.6472	1.7302	523.8616	1.7377	524.0760	1.9179	524.2904	1.8527



Table 9. High Resolution Absorption Cross Section from 520–534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
524.2955	1.8145	524.5098	1.8684	524.7242	1.9999	524.9384	2.0716
524.3005	1.8539	524.5150	1.9408	524.7292	1.9695	524.9435	2.1347
524.3057	1.8938	524.5200	2.0035	524.7343	1.9076	524.9487	2.1948
524.3108	1.8751	524.5251	1.9186	524.7394	2.0513	524.9538	2.1653
524.3159	1.8482	524.5302	1.9239	524.7446	1.9918	524.9589	2.2211
524.3210	1.9236	524.5353	1.9988	524.7497	1.9976	524.9639	2.2881
524.3260	1.8862	524.5405	1.9223	524.7548	1.8640	524.9691	2.2358
524.3312	1.8547	524.5455	1.8993	524.7598	1.9867	524.9742	2.2976
524.3363	1.8591	524.5507	1.9086	524.7650	1.9868	524.9793	2.1519
524.3414	1.8612	524.5557	1.9000	524.7701	1.9071	524.9844	2.2200
524.3465	1.9185	524.5609	1.8951	524.7752	1.8852	524.9894	2.2638
524.3516	1.9612	524.5659	1.9398	524.7803	1.8713	524.9946	2.1578
524.3567	1.9112	524.5710	1.9117	524.7853	1.9363	524.9997	2.2671
524.3618	1.9461	524.5762	1.8984	524.7905	1.8429	525.0048	2.2784
524.3669	1.8875	524.5813	1.9135	524.7956	1.9220	525.0099	2.2995
524.3720	1.9082	524.5864	1.9729	524.8007	2.0068	525.0150	2.2852
524.3771	1.9956	524.5914	1.8006	524.8058	2.0873	525.0201	2.3086
524.3823	1.8687	524.5966	1.8813	524.8109	1.9914	525.0251	2.2500
524.3873	1.8924	524.6017	1.9000	524.8160	1.9836	525.0303	2.2950
524.3925	1.8557	524.6068	1.9481	524.8211	2.0482	525.0354	2.1840
524.3975	1.9388	524.6119	1.8704	524.8262	2.0420	525.0405	2.2366
524.4026	1.9183	524.6169	1.8982	524.8313	2.0298	525.0456	2.2438
524.4078	2.0158	524.6221	2.0084	524.8364	2.0362	525.0507	2.2992
524.4128	2.0249	524.6272	2.0450	524.8416	2.0524	525.0558	2.2782
524.4180	1.9817	524.6323	2.0644	524.8466	2.0827	525.0609	2.2463
524.4230	1.9515	524.6375	1.9270	524.8517	2.1119	525.0660	2.3130
524.4282	1.9768	524.6425	2.0395	524.8568	2.0510	525.0711	2.3842
524.4333	1.9812	524.6476	1.9535	524.8619	2.1199	525.0762	2.2519
524.4384	1.8651	524.6527	2.0016	524.8671	2.1176	525.0813	2.2516
524.4434	1.8899	524.6578	1.9554	524.8721	2.0808	525.0864	2.1667
524.4485	1.8971	524.6629	1.9212	524.8772	2.2914	525.0915	2.1472
524.4537	1.7823	524.6680	1.8450	524.8823	2.1811	525.0966	2.2001
524.4588	1.8179	524.6731	1.9515	524.8875	2.2027	525.1017	2.0560
524.4639	1.8948	524.6782	1.9934	524.8925	2.1336	525.1068	2.1169
524.4689	1.9709	524.6833	2.0333	524.8976	2.1198	525.1119	2.1147
524.4741	1.8719	524.6884	1.9423	524.9027	2.1213	525.1170	2.1350
524.4792	1.8531	524.6935	1.8927	524.9078	2.0421	525.1221	2.1945
524.4843	1.9503	524.6986	1.8279	524.9130	2.0221	525.1273	2.1564
524.4894	1.8775	524.7037	1.8360	524.9180	2.0376	525.1323	2.2934
524.4945	1.8976	524.7088	1.9445	524.9232	2.0278	525.1374	2.1151
524.4996	1.9073	524.7139	1.9224	524.9282	2.0333	525.1425	2.1754
524.5047	1.9242	524.7191	2.0124	524.9333	2.1066	525.1476	2.0625



Table 9. High Resolution Absorption Cross Section from 520–534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
525.1528	2.1346	525.3669	2.2763	525.5812	2.1995	525.7954	2.3005
525.1578	2.0645	525.3721	2.3212	525.5863	2.1379	525.8005	2.3256
525.1629	2.0401	525.3772	2.2346	525.5914	2.2090	525.8056	2.0638
525.1680	2.1338	525.3823	2.2931	525.5965	2.2583	525.8107	2.0136
525.1732	2.2100	525.3873	2.2341	525.6016	2.0999	525.8159	2.1155
525.1782	2.2540	525.3925	2.1750	525.6067	2.1119	525.8209	2.0495
525.1833	2.1617	525.3976	2.0834	525.6118	2.0473	525.8260	2.1700
525.1884	2.0849	525.4027	2.1784	525.6169	2.2512	525.8311	2.0845
525.1935	2.1744	525.4078	2.1582	525.6220	2.3998	525.8362	1.9816
525.1986	2.2743	525.4129	2.1489	525.6271	2.2863	525.8413	2.0588
525.2037	2.2226	525.4180	2.1027	525.6322	2.3075	525.8464	2.1423
525.2089	2.2745	525.4231	2.0674	525.6373	2.3757	525.8524	2.0564
525.2140	2.2822	525.4282	2.1283	525.6425	2.2565	525.8575	2.0707
525.2190	2.1033	525.4333	2.0888	525.6475	2.2000	525.8626	2.0881
525.2241	2.1061	525.4384	2.1611	525.6526	2.3150	525.8677	2.1013
525.2292	2.1372	525.4435	2.2482	525.6577	2.2709	525.8729	2.0873
525.2344	2.0943	525.4485	2.2079	525.6628	2.1394	525.8779	2.0231
525.2395	2.2704	525.4537	2.2161	525.6679	2.2063	525.8831	2.1187
525.2445	2.3745	525.4588	2.2588	525.6730	2.2286	525.8881	2.0339
525.2496	2.3527	525.4639	2.2785	525.6781	2.1478	525.8932	2.0742
525.2548	2.3178	525.4690	2.2549	525.6832	2.2341	525.8983	2.1915
525.2599	2.2658	525.4741	2.2784	525.6883	2.2284	525.9034	2.0322
525.2650	2.2846	525.4792	2.2829	525.6934	2.1829	525.9085	2.1406
525.2701	2.3103	525.4843	2.3282	525.6985	2.2278	525.9136	2.1539
525.2751	2.3018	525.4894	2.1606	525.7036	2.2392	525.9187	2.1740
525.2803	2.1649	525.4945	2.2888	525.7087	2.3724	525.9238	2.0684
525.2853	2.3311	525.4996	2.1113	525.7138	2.1700	525.9289	2.1848
525.2905	2.2282	525.5047	2.2507	525.7189	2.1513	525.9340	2.1269
525.2956	2.1927	525.5098	2.2616	525.7240	2.1440	525.9391	2.0904
525.3007	2.1990	525.5149	2.2900	525.7291	2.2243	525.9442	2.1674
525.3057	2.3581	525.5200	2.3286	525.7342	2.2050	525.9493	2.0288
525.3109	2.3519	525.5251	2.1930	525.7393	2.2030	525.9544	2.1044
525.3160	2.3450	525.5302	2.3301	525.7444	2.1957	525.9595	2.0503
525.3211	2.2281	525.5353	2.3012	525.7495	2.1323	525.9646	2.0687
525.3262	2.2468	525.5404	2.3509	525.7546	2.1829	525.9697	2.0408
525.3312	2.2510	525.5455	2.2379	525.7598	2.1351	525.9748	2.0197
525.3364	2.1054	525.5506	2.2606	525.7648	2.2343	525.9799	2.1863
525.3415	2.1928	525.5557	2.1979	525.7699	2.1252	525.9850	2.0840
525.3466	2.3539	525.5608	2.2694	525.7750	2.1937	525.9901	2.0353
525.3517	2.2194	525.5659	2.2811	525.7801	2.1792	525.9952	2.1636
525.3568	2.1952	525.5710	2.2141	525.7852	2.1355	526.0002	2.1843
525.3619	2.0895	525.5761	2.0999	525.7903	2.0969	526.0054	2.0423



Table 9. High Resolution Absorption Cross Section from 520–534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
526.0104	2.2058	526.2245	2.1160	526.4387	2.0518	526.6528	2.0212
526.0156	2.0749	526.2297	2.0682	526.4438	2.1167	526.6579	2.0848
526.0206	2.0417	526.2347	2.1013	526.4489	2.1517	526.6630	2.0467
526.0258	2.0656	526.2399	2.0296	526.4540	2.1567	526.6681	1.9964
526.0308	2.0988	526.2449	2.0435	526.4590	2.0950	526.6732	2.1297
526.0359	1.9879	526.2501	2.0004	526.4642	2.0253	526.6783	2.0798
526.0410	2.0420	526.2551	2.0448	526.4692	2.0004	526.6833	2.0297
526.0461	2.0571	526.2603	2.0080	526.4744	2.1295	526.6885	2.0120
526.0512	2.0062	526.2653	2.0817	526.4794	2.2140	526.6935	1.9955
526.0563	2.1279	526.2704	2.0015	526.4846	2.2588	526.6987	2.0752
526.0614	2.0875	526.2755	2.1115	526.4896	2.3245	526.7038	2.0944
526.0665	2.0068	526.2806	2.1267	526.4948	2.1262	526.7089	2.0952
526.0716	2.1315	526.2857	2.0907	526.4998	2.2231	526.7140	2.0766
526.0767	2.3184	526.2908	2.0508	526.5049	2.1779	526.7191	2.1282
526.0818	2.2422	526.2959	2.0692	526.5100	2.0234	526.7242	2.2129
526.0869	2.1303	526.3010	2.0562	526.5151	2.1251	526.7293	2.1920
526.0920	2.0944	526.3061	2.1124	526.5202	2.0462	526.7344	2.3402
526.0971	2.0780	526.3112	1.9914	526.5253	2.0964	526.7395	2.2111
526.1022	2.1222	526.3163	2.0592	526.5304	2.1348	526.7446	2.1440
526.1073	2.0521	526.3214	2.0766	526.5355	2.1022	526.7497	2.1532
526.1124	2.1058	526.3265	2.0742	526.5406	2.1028	526.7548	2.1871
526.1175	2.2405	526.3316	2.1527	526.5457	2.1851	526.7599	2.1188
526.1226	2.3044	526.3367	2.0943	526.5508	2.1479	526.7650	2.1991
526.1277	2.2276	526.3418	2.0614	526.5560	2.1328	526.7701	2.0407
526.1328	2.1722	526.3469	2.1193	526.5610	2.0841	526.7751	2.2091
526.1379	2.0376	526.3520	2.2125	526.5662	2.0753	526.7803	2.1766
526.1429	2.0488	526.3571	2.0745	526.5712	2.0442	526.7853	2.1645
526.1481	2.0214	526.3622	2.1874	526.5764	2.0865	526.7905	2.0377
526.1531	2.0444	526.3672	2.1871	526.5814	2.2388	526.7955	2.0674
526.1583	2.0601	526.3724	2.1891	526.5865	2.2700	526.8007	2.0838
526.1633	1.9416	526.3774	2.1964	526.5916	2.0466	526.8057	2.0710
526.1685	2.0873	526.3826	2.2199	526.5967	2.0039	526.8109	2.1671
526.1735	1.9734	526.3877	2.1704	526.6018	2.0516	526.8159	2.0169
526.1787	2.0797	526.3928	2.0904	526.6069	1.9827	526.8210	2.0286
526.1838	2.0762	526.3979	2.1669	526.6120	2.1818	526.8261	2.1157
526.1889	2.0269	526.4030	2.1698	526.6171	2.1104	526.8313	2.1640
526.1940	2.0234	526.4081	2.1648	526.6222	2.0803	526.8364	2.1016
526.1991	1.9319	526.4132	2.2879	526.6273	2.0526	526.8415	2.1039
526.2042	2.0584	526.4183	2.3213	526.6324	2.1211	526.8466	2.0050
526.2093	2.1188	526.4234	2.1519	526.6375	1.9512	526.8517	1.9772
526.2144	2.0179	526.4285	2.2707	526.6426	2.1266	526.8568	2.1434
526.2195	2.0755	526.4336	2.1765	526.6477	2.1373	526.8619	2.1407



Table 9. High Resolution Absorption Cross Section from 520-534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
526.8669	2.1212	527.0811	2.0015	527.2953	1.8517	527.5095	1.9258
526.8721	2.1677	527.0862	1.9713	527.3004	1.8823	527.5146	1.9415
526.8771	2.0195	527.0913	2.0128	527.3055	1.8375	527.5197	1.9535
526.8823	2.1215	527.0964	1.9847	527.3106	1.8468	527.5248	2.0346
526.8873	2.1879	527.1015	1.9792	527.3157	1.8721	527.5299	2.0363
526.8925	2.0261	527.1066	1.9650	527.3208	1.8522	527.5350	2.0109
526.8975	2.0897	527.1117	2.0816	527.3259	1.9110	527.5401	2.1265
526.9026	2.0162	527.1168	1.9479	527.3310	1.9093	527.5452	2.0143
526.9077	2.0214	527.1219	2.0199	527.3361	1.9111	527.5503	2.0464
526.9128	2.1297	527.1270	1.9671	527.3412	1.8909	527.5554	1.9191
526.9179	2.0136	527.1321	1.9588	527.3463	1.8591	527.5605	1.9639
526.9230	1.9727	527.1372	1.9069	527.3514	1.8908	527.5656	1.9147
526.9281	1.9766	527.1423	1.9518	527.3565	1.8423	527.5707	1.8991
526.9332	2.0800	527.1474	1.8593	527.3616	1.8191	527.5758	1.8986
526.9383	1.9837	527.1525	1.8831	527.3667	1.8999	527.5809	1.9502
526.9434	2.0850	527.1576	2.0035	527.3718	1.8423	527.5860	1.9486
526.9485	2.1274	527.1627	2.0202	527.3769	1.8680	527.5911	1.8518
526.9537	2.0201	527.1678	1.9291	527.3820	1.8428	527.5962	1.8651
526.9587	2.0434	527.1729	1.9665	527.3871	1.8466	527.6013	1.8951
526.9639	2.0538	527.1780	1.8949	527.3922	1.8690	527.6064	1.9793
526.9689	2.1567	527.1831	1.8685	527.3973	1.9322	527.6115	2.0009
526.9741	2.0705	527.1882	1.9631	527.4024	1.8690	527.6166	1.8731
526.9791	1.9929	527.1933	1.9884	527.4075	1.8871	527.6217	1.9940
526.9843	1.9796	527.1984	1.9265	527.4126	1.9462	527.6268	1.9290
526.9893	2.0777	527.2035	1.8923	527.4177	1.8098	527.6319	1.9539
526.9944	1.9922	527.2086	1.9257	527.4228	1.9317	527.6370	1.9700
526.9995	2.0666	527.2137	1.9130	527.4279	1.9945	527.6421	1.9720
527.0046	2.0963	527.2188	1.9610	527.4330	1.8686	527.6472	1.9570
527.0097	2.0315	527.2239	1.8898	527.4380	1.9094	527.6523	2.0379
527.0148	2.1071	527.2290	1.9854	527.4432	1.8946	527.6574	1.9898
527.0199	2.0871	527.2341	1.9791	527.4483	1.8675	527.6625	1.9908
527.0250	2.0965	527.2392	1.9842	527.4534	1.8881	527.6676	1.9589
527.0301	2.0908	527.2443	1.9603	527.4585	1.9499	527.6727	2.0090
527.0352	2.0401	527.2494	1.8826	527.4636	1.8192	527.6778	1.9387
527.0403	2.1373	527.2545	1.9114	527.4687	1.8676	527.6829	1.8980
527.0454	2.1178	527.2596	1.8535	527.4738	1.9160	527.6880	1.9238
527.0505	2.1133	527.2647	1.8047	527.4789	1.8255	527.6931	1.9468
527.0556	2.1056	527.2698	1.8177	527.4840	1.9394	527.6982	1.8786
527.0607	2.1972	527.2749	1.8095	527.4891	1.9586	527.7033	1.9388
527.0659	2.1094	527.2800	1.8168	527.4942	1.8856	527.7084	1.8769
527.0709	1.9490	527.2851	1.8363	527.4993	1.9076	527.7135	1.9219
527.0760	2.0362	527.2902	1.8110	527.5044	1.8148	527.7186	1.9009



Table 9. High Resolution Absorption Cross Section from 520–534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
527.7237	1.8885	527.9379	1.9371	528.1522	2.1989	528.3665	1.8972
527.7288	1.8835	527.9431	1.9623	528.1573	1.9779	528.3716	1.9069
527.7339	1.9670	527.9481	2.0020	528.1624	1.9744	528.3766	1.9208
527.7390	1.9094	527.9532	1.9976	528.1675	1.9112	528.3818	1.8006
527.7441	1.8803	527.9583	1.9932	528.1726	1.9122	528.3868	1.8535
527.7492	1.9551	527.9634	1.8992	528.1777	1.9687	528.3920	1.9371
527.7543	1.9496	527.9685	1.9139	528.1828	1.9950	528.3970	1.8842
527.7595	1.8692	527.9737	2.0211	528.1879	1.8908	528.4022	1.9143
527.7645	1.8952	527.9788	1.9674	528.1930	1.9166	528.4072	1.9768
527.7697	1.9069	527.9839	1.9953	528.1981	2.0072	528.4124	1.9433
527.7747	1.9297	527.9890	1.9542	528.2032	2.0900	528.4175	1.9624
527.7798	1.9237	527.9941	1.9692	528.2083	1.9382	528.4226	2.0094
527.7849	1.8614	527.9991	1.8953	528.2134	1.9805	528.4277	2.0167
527.7900	1.9557	528.0043	1.9162	528.2185	1.9595	528.4328	2.0804
527.7951	1.9480	528.0093	1.9555	528.2236	1.9405	528.4379	1.8856
527.8002	1.9436	528.0145	2.0505	528.2287	1.9034	528.4430	1.8640
527.8053	1.8746	528.0195	2.1170	528.2338	1.9705	528.4481	1.8826
527.8104	1.9111	528.0247	1.9393	528.2390	1.9747	528.4532	1.9400
527.8155	1.9583	528.0297	1.9797	528.2440	1.8742	528.4583	1.9626
527.8206	1.9260	528.0349	2.0210	528.2491	1.9034	528.4634	1.8997
527.8257	1.9142	528.0400	2.0572	528.2542	1.9582	528.4685	1.9737
527.8308	1.8736	528.0451	2.0257	528.2593	2.0654	528.4736	1.9717
527.8359	1.9102	528.0502	1.8697	528.2644	1.9347	528.4787	1.9523
527.8411	1.8707	528.0553	1.9487	528.2695	2.0183	528.4838	2.0284
527.8461	1.9247	528.0604	1.9634	528.2746	1.9395	528.4889	1.8778
527.8513	1.8914	528.0655	1.9870	528.2797	1.9702	528.4940	1.9630
527.8563	1.8551	528.0706	1.8823	528.2848	1.9766	528.4991	1.9710
527.8615	1.9333	528.0757	1.9087	528.2900	1.8604	528.5042	1.9257
527.8665	1.8455	528.0807	1.9453	528.2950	1.9380	528.5093	2.1267
527.8716	1.9520	528.0859	1.9061	528.3002	1.9257	528.5144	2.0751
527.8767	1.8609	528.0909	2.0606	528.3052	2.0560	528.5195	2.0710
527.8818	1.9151	528.0961	2.0788	528.3104	2.0147	528.5247	1.9881
527.8869	1.9574	528.1011	2.1203	528.3154	2.0261	528.5297	1.8997
527.8920	1.9481	528.1063	2.0397	528.3206	1.9399	528.5349	1.9451
527.8971	1.9399	528.1114	1.9970	528.3256	1.8926	528.5399	1.9524
527.9023	1.9667	528.1165	2.0132	528.3307	1.9586	528.5450	1.9323
527.9073	1.8505	528.1216	2.0108	528.3358	1.9029	528.5501	1.9272
527.9125	1.8236	528.1267	1.9352	528.3409	1.8392	528.5552	1.8294
527.9175	1.9984	528.1318	2.0709	528.3460	1.8763	528.5603	1.8758
527.9227	1.9517	528.1369	2.0453	528.3512	1.9062	528.5654	1.8774
527.9277	2.0302	528.1420	2.0839	528.3563	1.7743	528.5705	1.8387
527.9329	1.8857	528.1471	2.1358	528.3614	1.8667	528.5756	1.9409



Table 9. High Resolution Absorption Cross Section from 520-534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
528.5807	1.9024	528.7950	1.8912	529.0093	1.8263	529.2237	1.8895
528.5859	1.9587	528.8002	1.8518	529.0145	1.8229	529.2288	1.8633
528.5909	1.9730	528.8052	1.9154	529.0195	1.9828	529.2339	1.8903
528.5961	2.0084	528.8104	1.9132	529.0247	1.9328	529.2390	1.9155
528.6011	1.8678	528.8154	1.8211	529.0297	1.8956	529.2441	1.8307
528.6063	1.8372	528.8206	1.8413	529.0349	1.9148	529.2492	1.9941
528.6113	1.9015	528.8256	1.8086	529.0400	1.9717	529.2543	2.0843
528.6165	1.8059	528.8307	1.9138	529.0451	1.9243	529.2594	2.0782
528.6215	1.7974	528.8358	1.8112	529.0502	1.8784	529.2645	1.9596
528.6266	1.9582	528.8410	1.8338	529.0553	1.9228	529.2697	1.9362
528.6318	1.9134	528.8461	1.7737	529.0604	1.8527	529.2747	1.9095
528.6369	1.8626	528.8512	1.9261	529.0655	1.8997	529.2798	1.8549
528.6420	1.8981	528.8563	1.9272	529.0706	1.8245	529.2849	1.8510
528.6471	1.9050	528.8614	1.8902	529.0757	1.8630	529.2900	1.8819
528.6522	1.9222	528.8665	1.9529	529.0807	1.9057	529.2951	1.8506
528.6573	2.0081	528.8716	1.9018	529.0859	1.8853	529.3002	1.8992
528.6624	1.9971	528.8766	1.9439	529.0910	1.8912	529.3053	1.9088
528.6675	2.0683	528.8818	1.7684	529.0961	1.8707	529.3104	1.8752
528.6725	1.9896	528.8868	1.9032	529.1012	1.9082	529.3156	2.0118
528.6777	1.8370	528.8920	1.8110	529.1063	1.9006	529.3207	2.0647
528.6827	1.8997	528.8971	1.7615	529.1114	1.9105	529.3257	1.9015
528.6879	1.8757	528.9022	1.9119	529.1165	1.9014	529.3309	2.0078
528.6930	1.8664	528.9073	1.8666	529.1216	1.8378	529.3359	1.9343
528.6981	1.8601	528.9124	1.9659	529.1267	1.7675	529.3411	1.9340
528.7032	1.9194	528.9175	1.8834	529.1318	1.7986	529.3461	2.0346
528.7083	1.8790	528.9226	1.9126	529.1370	1.8324	529.3513	2.0440
528.7134	1.9133	528.9277	1.7992	529.1420	1.9265	529.3564	2.1347
528.7185	1.9697	528.9328	1.8066	529.1472	1.8518	529.3615	2.0129
528.7236	1.8759	528.9379	1.8020	529.1522	1.9575	529.3666	2.0325
528.7287	1.8286	528.9431	1.8078	529.1573	1.9242	529.3717	1.9778
528.7338	1.9527	528.9481	1.7845	529.1624	1.9195	529.3768	1.9958
528.7390	1.9106	528.9532	1.8500	529.1675	1.9059	529.3819	1.9909
528.7440	1.9580	528.9583	1.8063	529.1726	1.8725	529.3870	1.9171
528.7491	1.8724	528.9634	1.8991	529.1778	1.7847	529.3921	1.9501
528.7542	1.9199	528.9685	1.8949	529.1829	1.8196	529.3972	1.8871
528.7593	1.8276	528.9736	1.9285	529.1880	1.9173	529.4023	1.9708
528.7644	1.7552	528.9787	1.8958	529.1931	1.8625	529.4074	1.9334
528.7695	1.9317	528.9838	1.9253	529.1982	1.9153	529.4125	1.9428
528.7746	1.9485	528.9890	1.7849	529.2032	1.9266	529.4176	1.9077
528.7797	1.9174	528.9941	1.8478	529.2084	1.9645	529.4227	1.9607
528.7848	2.0665	528.9991	1.9776	529.2134	1.9295	529.4278	1.9634
528.7900	1.8968	529.0043	1.7975	529.2186	1.9469	529.4329	1.9143



Table 9. High Resolution Absorption Cross Section from 520–534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
529.4380	1.9758	529.6524	1.8048	529.8668	1.8384	530.0812	1.9082
529.4432	1.9759	529.6575	1.9393	529.8719	1.8485	530.0863	1.9377
529.4482	2.0661	529.6626	1.8422	529.8770	1.8905	530.0914	1.8524
529.4534	2.0642	529.6677	1.8173	529.8821	1.9428	530.0965	1.8218
529.4584	1.9263	529.6728	1.8724	529.8871	1.8896	530.1016	1.8786
529.4636	1.9677	529.6779	1.8068	529.8923	1.8817	530.1067	1.9064
529.4686	2.0043	529.6830	1.8668	529.8974	1.8729	530.1118	1.9179
529.4738	1.9699	529.6881	1.8222	529.9025	1.8409	530.1169	1.9016
529.4788	2.0000	529.6932	1.8733	529.9076	1.7475	530.1220	2.1152
529.4839	1.9921	529.6984	1.8618	529.9127	1.8176	530.1271	1.9759
529.4891	1.9627	529.7034	1.8398	529.9178	1.7916	530.1322	1.9727
529.4942	1.9445	529.7086	1.8129	529.9229	1.7758	530.1373	1.9885
529.4993	1.8525	529.7136	1.7724	529.9280	1.8298	530.1424	1.9409
529.5044	2.0220	529.7188	1.8410	529.9332	1.7643	530.1475	1.9397
529.5095	1.9116	529.7238	1.8608	529.9382	1.8341	530.1526	1.9895
529.5146	1.9017	529.7289	1.8964	529.9434	1.8792	530.1578	1.9270
529.5197	1.9277	529.7341	1.8411	529.9484	1.9309	530.1628	1.9466
529.5248	1.9294	529.7392	1.7621	529.9536	1.8965	530.1680	1.9334
529.5299	1.9586	529.7443	1.7837	529.9586	1.9415	530.1730	1.9895
529.5350	2.1771	529.7494	1.8050	529.9637	1.9436	530.1782	1.8627
529.5401	2.0407	529.7545	1.8768	529.9689	1.9738	530.1832	1.9495
529.5452	1.9436	529.7596	1.8621	529.9740	2.0094	530.1884	1.9402
529.5503	2.0049	529.7646	1.9004	529.9791	1.9599	530.1935	1.9140
529.5554	1.9913	529.7698	1.8839	529.9842	1.8618	530.1986	1.9904
529.5605	2.0277	529.7749	1.7988	529.9893	1.8542	530.2037	1.9792
529.5656	2.0539	529.7800	1.8574	529.9944	1.9228	530.2088	1.9712
529.5707	1.9554	529.7851	1.9159	529.9995	1.9341	530.2139	1.9006
529.5759	1.9980	529.7902	1.9094	530.0046	1.8273	530.2190	1.8889
529.5809	1.8952	529.7953	1.9001	530.0097	1.7495	530.2241	1.9779
529.5861	2.0052	529.8004	1.8716	530.0148	1.8029	530.2292	1.9099
529.5911	1.9429	529.8055	1.9029	530.0199	1.7741	530.2343	1.9517
529.5963	1.9339	529.8107	1.8825	530.0250	1.7829	530.2394	1.8855
529.6013	1.9490	529.8157	1.9586	530.0301	1.8766	530.2445	1.9390
529.6064	1.8638	529.8209	1.8552	530.0352	1.8525	530.2496	2.0078
529.6116	1.8382	529.8259	1.8691	530.0403	1.8566	530.2547	1.9039
529.6167	1.8307	529.8311	1.9188	530.0455	1.8613	530.2599	1.9094
529.6218	1.8601	529.8361	1.8277	530.0505	1.8976	530.2650	1.9074
529.6269	1.8823	529.8412	1.8591	530.0557	1.9376	530.2701	1.9698
529.6320	1.8036	529.8463	1.9069	530.0607	1.8500	530.2751	2.0056
529.6371	1.9063	529.8515	1.8125	530.0659	1.7702	530.2803	1.9688
529.6422	1.8708	529.8566	1.8395	530.0709	1.8653	530.2853	1.9368
529.6473	1.8580	529.8617	1.8077	530.0760	1.8586	530.2905	2.0794



Table 9. High Resolution Absorption Cross Section from 520-534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
530.2956	1.9990	530.5100	2.0089	530.7244	1.9916	530.9389	1.9308
530.3007	1.9836	530.5151	2.0587	530.7296	1.9573	530.9440	2.0846
530.3058	1.9632	530.5202	2.0397	530.7347	1.8832	530.9491	1.9936
530.3109	1.9754	530.5253	1.9471	530.7398	1.9862	530.9542	1.9857
530.3160	1.9424	530.5304	2.0200	530.7449	2.0364	530.9594	2.0658
530.3211	2.0514	530.5356	2.0765	530.7500	2.0659	530.9645	1.9708
530.3262	2.0217	530.5406	2.0242	530.7551	2.0378	530.9695	1.9879
530.3314	2.0178	530.5458	1.9938	530.7602	2.0564	530.9747	1.9644
530.3364	2.0218	530.5508	1.9357	530.7653	1.9505	530.9797	2.0257
530.3416	1.9616	530.5560	1.9229	530.7704	1.9649	530.9849	1.9925
530.3466	2.0015	530.5610	1.9229	530.7755	2.0537	530.9900	2.0125
530.3517	2.0625	530.5662	1.9907	530.7806	1.9334	530.9951	2.0597
530.3568	2.0042	530.5713	1.9994	530.7857	1.9932	531.0002	1.9751
530.3619	1.9957	530.5764	2.0243	530.7908	1.9648	531.0053	1.8847
530.3671	2.0726	530.5815	2.0087	530.7959	1.9574	531.0104	1.9714
530.3722	2.0479	530.5866	1.9848	530.8011	1.9126	531.0155	1.9160
530.3773	2.1314	530.5917	2.0735	530.8062	2.0519	531.0206	1.9588
530.3824	2.1341	530.5968	2.0760	530.8113	2.0013	531.0258	2.0233
530.3875	2.1046	530.6019	2.1302	530.8163	2.0047	531.0308	1.9539
530.3926	2.0615	530.6071	2.0653	530.8215	1.9353	531.0359	1.9901
530.3976	2.0111	530.6121	2.0113	530.8265	2.0384	531.0410	2.0775
530.4028	1.9236	530.6172	1.9972	530.8317	1.9783	531.0461	1.9814
530.4079	2.0305	530.6223	2.0624	530.8368	2.0819	531.0513	1.9631
530.4130	1.8795	530.6274	2.0829	530.8419	1.9925	531.0564	1.9844
530.4181	2.0529	530.6325	2.0914	530.8470	2.0538	531.0615	1.9474
530.4232	2.0463	530.6377	2.0822	530.8521	2.0112	531.0666	1.9130
530.4283	1.9451	530.6428	2.1247	530.8572	2.0221	531.0717	1.9455
530.4335	1.9083	530.6479	2.1423	530.8624	1.9642	531.0768	1.9606
530.4385	2.0056	530.6530	2.1935	530.8674	1.9392	531.0819	2.0307
530.4437	2.0557	530.6581	2.1324	530.8726	1.9870	531.0870	1.9208
530.4487	2.0093	530.6631	2.0674	530.8776	1.9445	531.0921	2.0182
530.4539	2.0552	530.6683	2.1685	530.8828	1.9920	531.0972	2.0784
530.4589	1.9849	530.6734	2.1339	530.8878	2.0965	531.1023	2.0169
530.4641	2.0764	530.6785	2.0856	530.8930	1.8940	531.1074	2.0348
530.4692	2.0064	530.6836	2.1015	530.8981	2.0473	531.1125	1.8576
530.4743	2.0311	530.6887	2.0835	530.9032	1.9861	531.1177	1.9860
530.4794	2.0969	530.6938	2.1262	530.9083	2.0256	531.1227	1.9026
530.4845	2.0167	530.6989	2.0851	530.9134	2.0002	531.1279	1.8669
530.4896	2.1660	530.7040	2.1169	530.9185	2.0008	531.1329	1.9442
530.4947	2.0226	530.7092	2.0027	530.9236	1.9414	531.1381	1.9389
530.4998	2.0379	530.7142	2.1481	530.9287	1.9362	531.1432	1.9517
530.5049	2.1152	530.7194	2.0175	530.9338	2.0406	531.1483	1.8978



Table 9. High Resolution Absorption Cross Section from 520–534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
531.1534	1.8836	531.3707	2.0090	531.5854	1.9081	531.7997	2.0743
531.1585	1.9458	531.3758	1.9759	531.5905	1.9797	531.8049	2.1222
531.1636	1.8668	531.3809	2.0153	531.5956	1.9624	531.8099	2.0963
531.1688	1.9889	531.3860	2.0089	531.6007	2.0554	531.8151	2.0638
531.1738	1.9777	531.3912	2.0771	531.6058	1.9281	531.8201	2.0037
531.1790	1.9822	531.3963	2.0796	531.6110	2.0152	531.8252	2.0675
531.1840	1.9188	531.4014	2.0149	531.6161	1.9794	531.8303	2.0678
531.1891	1.9788	531.4065	1.9975	531.6212	2.0258	531.8354	2.0328
531.1942	1.9701	531.4116	2.0632	531.6263	1.9897	531.8406	2.0401
531.1994	2.0228	531.4167	1.9922	531.6313	2.0435	531.8456	2.0644
531.2045	1.9493	531.4218	2.0291	531.6365	2.0718	531.8507	2.0030
531.2096	1.9809	531.4270	2.0915	531.6416	2.0203	531.8558	1.9830
531.2147	1.9342	531.4321	2.0676	531.6467	1.9771	531.8609	1.9668
531.2198	2.0548	531.4372	1.9618	531.6519	1.9970	531.8660	2.0172
531.2249	1.9232	531.4423	1.9479	531.6569	2.0477	531.8711	2.1052
531.2300	1.9718	531.4474	1.9765	531.6620	2.0505	531.8762	2.0742
531.2351	1.9325	531.4525	1.9936	531.6671	2.0662	531.8813	2.0947
531.2402	2.0031	531.4576	1.9792	531.6722	2.0312	531.8864	2.1546
531.2453	1.9538	531.4628	2.0688	531.6773	1.9808	531.8915	2.0616
531.2504	1.9515	531.4678	1.9561	531.6824	2.0475	531.8966	1.9977
531.2555	2.0342	531.4730	2.0240	531.6875	2.0565	531.9017	2.0566
531.2607	1.9453	531.4781	2.0789	531.6926	2.1286	531.9067	2.0857
531.2657	1.9594	531.4832	2.0770	531.6978	1.9824	531.9119	2.0298
531.2709	1.9884	531.4883	2.0617	531.7029	2.0880	531.9169	1.9939
531.2759	1.9774	531.4935	1.9641	531.7079	2.0462	531.9221	2.0855
531.2811	1.9817	531.4985	2.0394	531.7131	2.0324	531.9272	2.0804
531.2861	1.9739	531.5037	2.0579	531.7181	1.9662	531.9323	2.0183
531.2913	2.0444	531.5087	1.9815	531.7233	1.9852	531.9373	2.0151
531.2964	1.9886	531.5139	1.9561	531.7283	1.9058	531.9424	1.9777
531.3015	2.0511	531.5190	1.9641	531.7335	2.0761	531.9475	2.0324
531.3066	2.0300	531.5241	1.9850	531.7385	2.0358	531.9526	1.9663
531.3117	2.0160	531.5292	2.0259	531.7437	1.9835	531.9576	1.9422
531.3168	2.0051	531.5344	1.9890	531.7488	1.9670	531.9628	2.0002
531.3220	1.9809	531.5394	2.0025	531.7538	2.1104	531.9679	1.9744
531.3270	1.9418	531.5446	2.0253	531.7590	2.1246	531.9730	2.0702
531.3322	2.0597	531.5496	2.0364	531.7640	2.0211	531.9781	1.9729
531.3372	2.0713	531.5547	1.9736	531.7692	2.1451	531.9832	2.0447
531.3423	2.0329	531.5599	1.9463	531.7742	2.1130	531.9882	2.0507
531.3502	2.0431	531.5650	2.0297	531.7794	2.1877	531.9933	1.9583
531.3553	2.0911	531.5701	2.0586	531.7844	2.2108	531.9984	1.9905
531.3605	2.0898	531.5752	2.0226	531.7896	2.1372	532.0035	2.1596
531.3655	2.0924	531.5803	2.0645	531.7947	2.2877	532.0085	2.0632



Table 9. High Resolution Absorption Cross Section from 520–534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
532.0137	1.9375	532.2272	2.0504	532.4404	2.0620	532.6531	2.1446
532.0188	2.0898	532.2322	2.1250	532.4454	2.0488	532.6581	2.2123
532.0239	2.0505	532.2374	2.0745	532.4504	2.0651	532.6632	2.2684
532.0289	2.0708	532.2425	2.1329	532.4555	2.0670	532.6683	2.2547
532.0341	2.1736	532.2476	2.0650	532.4606	2.2088	532.6733	2.2781
532.0391	2.0378	532.2526	2.1028	532.4657	2.0831	532.6783	2.1968
532.0442	2.0876	532.2577	2.1146	532.4708	2.0897	532.6834	2.1886
532.0493	2.0604	532.2628	2.1351	532.4758	2.0692	532.6885	2.1144
532.0544	2.0250	532.2678	2.1515	532.4809	2.0758	532.6935	2.2500
532.0595	1.9424	532.2729	2.1968	532.4860	2.2742	532.6986	2.1574
532.0646	2.0293	532.2780	2.1707	532.4910	2.1166	532.7037	2.2074
532.0696	2.0294	532.2831	2.1298	532.4961	2.1857	532.7087	2.1538
532.0747	2.0959	532.2881	2.1326	532.5012	2.1692	532.7137	2.0176
532.0798	1.9792	532.2932	2.1075	532.5063	2.1921	532.7188	2.0674
532.0849	1.9841	532.2983	2.0939	532.5113	2.2426	532.7239	2.1424
532.0900	2.1059	532.3034	2.1204	532.5164	2.1939	532.7290	2.1018
532.0950	2.0309	532.3085	2.0951	532.5214	2.2502	532.7340	2.1387
532.1002	2.0578	532.3135	2.0441	532.5265	2.2479	532.7391	2.1867
532.1053	2.1885	532.3186	2.0760	532.5316	2.2063	532.7441	2.1700
532.1104	2.0904	532.3237	2.1898	532.5366	2.1988	532.7492	2.2304
532.1154	2.0996	532.3288	2.1815	532.5417	2.2706	532.7542	2.1014
532.1205	2.0312	532.3339	2.2312	532.5468	2.2458	532.7593	2.2159
532.1255	1.9453	532.3389	2.2063	532.5519	2.2124	532.7643	2.1793
532.1307	2.0147	532.3440	2.1314	532.5569	2.1389	532.7693	2.1365
532.1357	2.0100	532.3491	2.1737	532.5620	2.1219	532.7745	2.2122
532.1408	2.0694	532.3541	2.1509	532.5670	2.1521	532.7795	2.1373
532.1459	2.1449	532.3592	2.1843	532.5721	2.1006	532.7846	2.0759
532.1510	2.1547	532.3643	2.0680	532.5771	2.1526	532.7896	2.1801
532.1561	2.1007	532.3693	2.2048	532.5822	2.1566	532.7947	2.1579
532.1612	2.0867	532.3745	2.1835	532.5873	2.1453	532.7997	2.1254
532.1663	2.1173	532.3795	2.1282	532.5923	2.1731	532.8047	2.2183
532.1713	2.0456	532.3846	2.1388	532.5974	2.1357	532.8098	2.1831
532.1764	2.0781	532.3896	2.1643	532.6025	2.1892	532.8149	2.1046
532.1815	2.0861	532.3947	2.1596	532.6075	2.1274	532.8199	2.1024
532.1865	2.0877	532.3998	2.1234	532.6126	2.1483	532.8250	2.1496
532.1917	2.0597	532.4048	2.1217	532.6177	2.1382	532.8301	1.9996
532.1968	2.0454	532.4099	2.1214	532.6227	2.1528	532.8351	2.0963
532.2018	2.1070	532.4150	2.1094	532.6277	2.1166	532.8401	2.0787
532.2069	2.0296	532.4201	1.9807	532.6328	2.1106	532.8452	2.1303
532.2120	2.1210	532.4252	2.0797	532.6379	2.1062	532.8502	2.1335
532.2170	2.1386	532.4302	2.0965	532.6430	2.0951	532.8553	2.1182
532.2221	2.0012	532.4353	2.1220	532.6480	2.1690	532.8604	2.2013



Table 9. High Resolution Absorption Cross Section from 520-534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
532.8654	2.0693	533.0773	2.1903	533.2889	2.0990	533.5000	2.0752
532.8705	2.1136	533.0823	2.1487	533.2939	2.1919	533.5051	2.1169
532.8755	2.0850	533.0875	2.0769	533.2990	2.2036	533.5101	2.0640
532.8806	2.0915	533.0925	2.0982	533.3040	2.1298	533.5151	2.1090
532.8856	2.1915	533.0975	2.1369	533.3090	2.1894	533.5201	2.1113
532.8906	2.1817	533.1025	2.1782	533.3140	2.0654	533.5251	2.0967
532.8957	2.1626	533.1076	2.2065	533.3191	2.2236	533.5302	2.1139
532.9008	2.1150	533.1126	2.1043	533.3241	2.1584	533.5352	2.0843
532.9058	2.1699	533.1177	2.1688	533.3291	2.1781	533.5402	2.0674
532.9109	2.0906	533.1227	2.1331	533.3342	2.2465	533.5452	2.1113
532.9160	2.1045	533.1277	2.1397	533.3392	2.0865	533.5502	2.1159
532.9210	2.1740	533.1328	2.1638	533.3442	2.2355	533.5552	2.0964
532.9260	2.1051	533.1378	2.1055	533.3492	2.1357	533.5602	2.0509
532.9310	2.0688	533.1429	2.1705	533.3543	2.1567	533.5652	2.1725
532.9361	2.2044	533.1479	2.1200	533.3593	2.1277	533.5703	2.0569
532.9411	2.1956	533.1530	2.0560	533.3643	2.1112	533.5754	1.9820
532.9462	2.0749	533.1580	2.1195	533.3694	2.0810	533.5804	2.0330
532.9513	2.1250	533.1630	2.0916	533.3744	2.2294	533.5854	2.1066
532.9563	2.1165	533.1680	2.0687	533.3794	2.2511	533.5904	2.0697
532.9614	2.1927	533.1730	2.0882	533.3844	2.1701	533.5954	2.0787
532.9664	2.1167	533.1782	2.1034	533.3895	2.1982	533.6004	1.9724
532.9714	2.2176	533.1832	2.2905	533.3945	2.1730	533.6054	2.0030
532.9764	2.1048	533.1882	2.1950	533.3995	2.2184	533.6104	2.0568
532.9815	2.1554	533.1932	2.1493	533.4045	2.1879	533.6154	2.0382
532.9866	2.1538	533.1982	2.0577	533.4096	2.2570	533.6205	2.1027
532.9916	2.1872	533.2033	2.1499	533.4146	2.2038	533.6255	2.0698
532.9967	2.2585	533.2083	2.1558	533.4196	2.2477	533.6306	2.0496
533.0017	2.2776	533.2134	2.0474	533.4246	2.2948	533.6356	2.0530
533.0068	2.1920	533.2184	2.1212	533.4297	2.1432	533.6406	2.0831
533.0118	2.1860	533.2234	2.1119	533.4347	2.1399	533.6456	2.0683
533.0168	2.1067	533.2285	2.1295	533.4397	2.1744	533.6506	2.1018
533.0219	2.1195	533.2335	2.1223	533.4448	2.1202	533.6556	2.0699
533.0269	2.1344	533.2385	2.1992	533.4498	2.1260	533.6606	2.0125
533.0319	2.2281	533.2436	2.1027	533.4548	2.0071	533.6656	1.9646
533.0370	2.1549	533.2486	2.1567	533.4598	2.1071	533.6707	2.0072
533.0421	2.1843	533.2537	2.1049	533.4648	2.1454	533.6757	1.9980
533.0471	2.0298	533.2587	2.1719	533.4698	2.0841	533.6807	2.0224
533.0521	2.1441	533.2637	2.1190	533.4749	2.1072	533.6857	2.0596
533.0572	2.1246	533.2688	2.0858	533.4799	2.1335	533.6907	2.0281
533.0622	2.1041	533.2738	2.1132	533.4850	2.0865	533.6957	1.9741
533.0673	2.1162	533.2788	2.1116	533.4900	2.0645	533.7007	2.1174
533.0723	2.1647	533.2838	2.0493	533.4950	1.9999	533.7057	2.0696



Table 9. High Resolution Absorption Cross Section from 520–534 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
533.7108	2.0394	533.8210	2.0486	533.9311	1.9250	534.0411	2.0250
533.7158	1.9941	533.8260	2.1484	533.9361	1.9819	534.0461	1.9677
533.7208	1.9737	533.8310	2.1731	533.9411	2.0843	534.0511	2.0191
533.7258	2.0762	533.8360	2.1540	533.9461	2.0480	534.0561	2.0494
533.7308	2.0814	533.8411	1.9702	533.9511	1.9610	534.0611	2.0324
533.7358	2.0496	533.8460	2.0111	533.9561	2.0767	534.0661	2.0838
533.7408	2.0658	533.8510	2.0377	533.9611	2.0231	534.0711	2.0509
533.7458	2.0096	533.8560	2.0255	533.9661	2.0625	534.0761	1.9245
533.7509	1.9839	533.8610	1.9897	533.9711	2.0579	534.0811	2.0161
533.7559	2.0317	533.8660	2.1093	533.9761	2.0294	534.0861	2.0156
533.7609	2.0391	533.8710	1.9936	533.9811	2.0534	534.0911	1.9764
533.7659	1.9849	533.8760	1.9690	533.9861	1.9343	534.0961	1.9742
533.7709	2.0470	533.8810	2.0414	533.9911	1.9731	534.1010	1.9276
533.7759	2.0142	533.8861	1.9886	533.9961	2.0798	534.1061	2.0033
533.7809	2.0149	533.8911	2.0375	534.0011	1.9561	534.1111	1.9948
533.7859	2.1237	533.8961	1.9879	534.0061	2.0786	534.1161	1.9473
533.7909	2.0492	533.9011	2.0890	534.0111	1.9581	534.1210	2.0221
533.7960	2.0676	533.9061	2.0085	534.0161	2.0021	534.1260	1.9294
533.8010	2.0091	533.9111	1.9665	534.0211	1.9885	534.1310	2.0732
533.8060	2.1132	533.9161	2.0541	534.0261	1.9912	534.1360	2.0409
533.8110	2.0880	533.9211	1.9674	534.0311	1.9619	534.1410	2.0553
533.8160	2.0894	533.9261	2.0110	534.0361	2.0019		



Table 10. High Resolution Absorption Cross Section from 588–601 nm at 296K

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
588.0100	0.4115	588.2263	0.4566	588.4424	0.4059	588.6587	0.3267
588.0152	0.4197	588.2314	0.3845	588.4476	0.3521	588.6638	0.3166
588.0203	0.3945	588.2366	0.4485	588.4528	0.3794	588.6690	0.3281
588.0255	0.4626	588.2417	0.3953	588.4579	0.3398	588.6741	0.3418
588.0306	0.4221	588.2468	0.4450	588.4631	0.3855	588.6793	0.2964
588.0358	0.4095	588.2520	0.3943	588.4682	0.4623	588.6844	0.3536
588.0409	0.4297	588.2571	0.3748	588.4733	0.4049	588.6896	0.3209
588.0461	0.4804	588.2623	0.3320	588.4785	0.3919	588.6947	0.3258
588.0512	0.4724	588.2675	0.3296	588.4836	0.3269	588.6999	0.3861
588.0563	0.4923	588.2726	0.3694	588.4888	0.3360	588.7050	0.3664
588.0615	0.4418	588.2777	0.2794	588.4940	0.3742	588.7101	0.3867
588.0667	0.4360	588.2829	0.2919	588.4991	0.3282	588.7153	0.4017
588.0718	0.4007	588.2880	0.2910	588.5043	0.3151	588.7205	0.3915
588.0770	0.3651	588.2932	0.3244	588.5094	0.2863	588.7256	0.3215
588.0821	0.4037	588.2983	0.3518	588.5145	0.3554	588.7308	0.3323
588.0873	0.3133	588.3035	0.3048	588.5197	0.3389	588.7359	0.3607
588.0924	0.3350	588.3086	0.3394	588.5248	0.3573	588.7410	0.3403
588.0975	0.4038	588.3138	0.3126	588.5300	0.4207	588.7462	0.3720
588.1027	0.4167	588.3189	0.3256	588.5352	0.3929	588.7513	0.3719
588.1078	0.4020	588.3240	0.2992	588.5403	0.3533	588.7565	0.3746
588.1130	0.3769	588.3292	0.4110	588.5454	0.3195	588.7617	0.3702
588.1182	0.3512	588.3344	0.4168	588.5506	0.3291	588.7668	0.3224
588.1233	0.3658	588.3395	0.3769	588.5557	0.3811	588.7720	0.3326
588.1284	0.3824	588.3447	0.3898	588.5609	0.3539	588.7771	0.3198
588.1336	0.3573	588.3498	0.3562	588.5660	0.3834	588.7822	0.3518
588.1387	0.3123	588.3550	0.3022	588.5712	0.4360	588.7874	0.3413
588.1439	0.3267	588.3601	0.3388	588.5763	0.4366	588.7925	0.3150
588.1490	0.3066	588.3652	0.3448	588.5815	0.3761	588.7977	0.3101
588.1542	0.3453	588.3704	0.3960	588.5866	0.3281	588.8029	0.3710
588.1593	0.3470	588.3755	0.3546	588.5917	0.3726	588.8080	0.3280
588.1645	0.3816	588.3807	0.4077	588.5969	0.3589	588.8131	0.4286
588.1696	0.3696	588.3859	0.4002	588.6021	0.3091	588.8183	0.3753
588.1747	0.3727	588.3910	0.4067	588.6072	0.3204	588.8234	0.3623
588.1799	0.3767	588.3961	0.4153	588.6124	0.3236	588.8286	0.3414
588.1851	0.3194	588.4013	0.4193	588.6175	0.3906	588.8337	0.3214
588.1902	0.3416	588.4064	0.3850	588.6226	0.3920	588.8389	0.3446
588.1954	0.3617	588.4116	0.3963	588.6278	0.4185	588.8440	0.3199
588.2005	0.3508	588.4167	0.3654	588.6329	0.3864	588.8492	0.3598
588.2056	0.3068	588.4219	0.3858	588.6381	0.3712	588.8543	0.3712
588.2108	0.2996	588.4270	0.4040	588.6432	0.3427	588.8594	0.3772
588.2159	0.3266	588.4322	0.3420	588.6484	0.3366	588.8646	0.3315
588.2211	0.3691	588.4373	0.3612	588.6536	0.2981	588.8698	0.3525



Table 10. High Resolution Absorption Cross Section from 588–601 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
588.8749	0.3267	589.0911	0.4190	589.3073	0.3564	589.5236	0.5340
588.8801	0.3394	589.0963	0.3908	589.3125	0.3491	589.5287	0.4390
588.8852	0.3490	589.1014	0.4162	589.3176	0.3952	589.5339	0.4730
588.8903	0.3994	589.1066	0.4432	589.3228	0.3443	589.5390	0.5002
588.8955	0.4013	589.1117	0.3740	589.3279	0.3999	589.5441	0.5118
588.9006	0.3696	589.1169	0.4420	589.3331	0.3613	589.5493	0.4303
588.9058	0.3575	589.1220	0.4015	589.3383	0.3884	589.5544	0.4626
588.9109	0.3302	589.1271	0.4039	589.3434	0.4062	589.5596	0.4224
588.9161	0.3571	589.1323	0.4122	589.3485	0.3877	589.5648	0.4629
588.9213	0.3715	589.1375	0.4056	589.3537	0.3984	589.5699	0.4678
588.9264	0.3297	589.1426	0.3657	589.3588	0.3957	589.5750	0.4691
588.9315	0.3688	589.1478	0.3455	589.3640	0.4061	589.5802	0.4665
588.9367	0.3862	589.1529	0.3456	589.3691	0.4007	589.5853	0.4156
588.9418	0.3615	589.1580	0.3615	589.3743	0.3982	589.5905	0.4386
588.9470	0.3770	589.1632	0.4060	589.3794	0.4411	589.5956	0.4718
588.9521	0.3331	589.1683	0.4276	589.3846	0.4811	589.6008	0.5050
588.9573	0.3124	589.1735	0.3896	589.3897	0.4415	589.6060	0.5483
588.9624	0.3334	589.1786	0.4282	589.3948	0.4445	589.6111	0.5298
588.9676	0.3130	589.1838	0.4164	589.4000	0.4649	589.6162	0.5709
588.9727	0.2832	589.1890	0.4138	589.4052	0.4155	589.6214	0.5901
588.9778	0.3578	589.1941	0.4129	589.4103	0.4453	589.6265	0.5645
588.9830	0.3750	589.1992	0.3562	589.4155	0.5784	589.6317	0.4591
588.9882	0.3651	589.2044	0.3650	589.4206	0.6391	589.6368	0.4534
588.9933	0.3886	589.2095	0.3744	589.4257	0.6287	589.6420	0.5041
588.9985	0.3731	589.2147	0.3805	589.4309	0.5718	589.6471	0.5125
589.0036	0.3750	589.2198	0.3629	589.4360	0.5700	589.6523	0.4667
589.0087	0.3942	589.2250	0.3602	589.4412	0.5632	589.6574	0.5403
589.0139	0.3547	589.2301	0.3658	589.4464	0.5616	589.6625	0.4384
589.0190	0.3489	589.2353	0.3537	589.4515	0.4812	589.6677	0.4747
589.0242	0.3564	589.2404	0.3830	589.4566	0.5593	589.6729	0.4208
589.0294	0.3623	589.2455	0.3468	589.4618	0.4878	589.6780	0.5120
589.0345	0.3625	589.2507	0.3290	589.4669	0.5168	589.6832	0.4295
589.0396	0.3749	589.2559	0.3653	589.4721	0.5720	589.6883	0.5326
589.0448	0.4122	589.2610	0.3624	589.4772	0.5731	589.6934	0.4627
589.0499	0.3833	589.2662	0.3576	589.4824	0.4817	589.6986	0.4837
589.0551	0.4213	589.2713	0.4403	589.4875	0.5253	589.7037	0.4511
589.0602	0.3741	589.2764	0.3833	589.4927	0.6328	589.7089	0.4151
589.0654	0.3916	589.2816	0.4193	589.4978	0.5210	589.7141	0.4429
589.0706	0.3952	589.2867	0.3491	589.5030	0.5186	589.7192	0.4082
589.0757	0.3869	589.2919	0.3318	589.5081	0.5677	589.7243	0.4848
589.0808	0.4002	589.2971	0.3700	589.5132	0.5423	589.7295	0.5086
589.0860	0.3484	589.3022	0.3626	589.5184	0.5899	589.7346	0.6475



Table 10. High Resolution Absorption Cross Section from 588–601 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
589.7398	0.4640	589.9560	0.4507	590.1722	0.4751	590.3884	0.5290
589.7449	0.4810	589.9611	0.4347	590.1774	0.4737	590.3936	0.5352
589.7501	0.5169	589.9663	0.4388	590.1825	0.4922	590.3987	0.6222
589.7552	0.4630	589.9714	0.4538	590.1877	0.5463	590.4039	0.5543
589.7604	0.4525	589.9766	0.4595	590.1928	0.4958	590.4090	0.4520
589.7655	0.4835	589.9818	0.5382	590.1979	0.4930	590.4142	0.4328
589.7707	0.5243	589.9869	0.4849	590.2031	0.4771	590.4193	0.5317
589.7758	0.4314	589.9920	0.4578	590.2083	0.4915	590.4244	0.6713
589.7809	0.4781	589.9972	0.4576	590.2134	0.4808	590.4296	0.5617
589.7861	0.5408	590.0023	0.4326	590.2186	0.5976	590.4348	0.6033
589.7913	0.4894	590.0074	0.4359	590.2237	0.5298	590.4399	0.5785
589.7964	0.6165	590.0126	0.4788	590.2288	0.5047	590.4451	0.5989
589.8016	0.6113	590.0178	0.4781	590.2340	0.4782	590.4502	0.7145
589.8067	0.5328	590.0229	0.5143	590.2391	0.4175	590.4554	0.6105
589.8118	0.4586	590.0281	0.5107	590.2443	0.4004	590.4605	0.5379
589.8170	0.5285	590.0332	0.5016	590.2495	0.4240	590.4656	0.5718
589.8221	0.5475	590.0384	0.4739	590.2546	0.5123	590.4708	0.5818
589.8273	0.5595	590.0435	0.4622	590.2597	0.4644	590.4760	0.6751
589.8325	0.5302	590.0486	0.4594	590.2649	0.4731	590.4811	0.7089
589.8376	0.4722	590.0538	0.5255	590.2700	0.4429	590.4863	0.7768
589.8427	0.5038	590.0590	0.4676	590.2751	0.4717	590.4914	0.6201
589.8479	0.4427	590.0641	0.5151	590.2803	0.4393	590.4965	0.5877
589.8530	0.4605	590.0693	0.5364	590.2855	0.4980	590.5017	0.5641
589.8582	0.5168	590.0744	0.5487	590.2906	0.5316	590.5068	0.6019
589.8633	0.5463	590.0795	0.5048	590.2958	0.5143	590.5120	0.5286
589.8685	0.5021	590.0847	0.6037	590.3009	0.5002	590.5172	0.5947
589.8736	0.4873	590.0898	0.5706	590.3061	0.4689	590.5223	0.6032
589.8788	0.4289	590.0950	0.5696	590.3112	0.4410	590.5274	0.6006
589.8839	0.4661	590.1002	0.5590	590.3163	0.5205	590.5326	0.6243
589.8891	0.4697	590.1053	0.5679	590.3215	0.5532	590.5377	0.7126
589.8942	0.4364	590.1104	0.5288	590.3267	0.5180	590.5428	0.7354
589.8994	0.5105	590.1156	0.4841	590.3318	0.4753	590.5480	0.6652
589.9045	0.5140	590.1207	0.4524	590.3370	0.4360	590.5532	0.5860
589.9097	0.5600	590.1259	0.4595	590.3421	0.5019	590.5583	0.6945
589.9148	0.4435	590.1310	0.4763	590.3472	0.4085	590.5635	0.6212
589.9200	0.4231	590.1362	0.4776	590.3524	0.4296	590.5686	0.6622
589.9251	0.4484	590.1413	0.5685	590.3575	0.4783	590.5738	0.6652
589.9302	0.4381	590.1465	0.5407	590.3627	0.5286	590.5789	0.5634
589.9354	0.4607	590.1516	0.5634	590.3679	0.6061	590.5840	0.6043
589.9406	0.4654	590.1568	0.5203	590.3730	0.5842	590.5892	0.5812
589.9457	0.4670	590.1619	0.5175	590.3781	0.5008	590.5944	0.6445
589.9509	0.4750	590.1671	0.4536	590.3833	0.4787	590.5995	0.6338



Table 10. High Resolution Absorption Cross Section from 588–601 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
590.6047	0.5637	590.8209	0.5674	591.0371	0.5564	591.2533	0.4022
590.6098	0.6093	590.8260	0.4888	591.0422	0.5002	591.2584	0.3781
590.6149	0.6502	590.8312	0.4356	591.0474	0.5471	591.2636	0.3666
590.6201	0.6452	590.8363	0.4227	591.0526	0.4843	591.2687	0.3972
590.6252	0.6266	590.8414	0.4377	591.0577	0.4427	591.2739	0.3613
590.6304	0.6221	590.8466	0.4110	591.0628	0.4703	591.2791	0.3448
590.6356	0.6825	590.8517	0.4220	591.0680	0.5274	591.2842	0.3739
590.6407	0.6944	590.8569	0.4427	591.0731	0.5188	591.2894	0.4163
590.6458	0.6557	590.8621	0.5045	591.0782	0.5156	591.2945	0.3862
590.6510	0.6852	590.8672	0.5239	591.0834	0.4782	591.2996	0.4466
590.6561	0.5658	590.8724	0.6080	591.0886	0.4635	591.3048	0.4448
590.6613	0.5654	590.8775	0.6108	591.0937	0.4401	591.3099	0.4344
590.6664	0.5746	590.8826	0.6157	591.0989	0.5009	591.3151	0.3780
590.6716	0.6198	590.8878	0.6300	591.1040	0.3996	591.3203	0.4267
590.6767	0.5188	590.8929	0.5927	591.1091	0.4361	591.3254	0.3540
590.6819	0.4857	590.8981	0.5928	591.1143	0.4098	591.3305	0.3659
590.6870	0.5391	590.9033	0.5293	591.1194	0.4273	591.3357	0.4099
590.6921	0.5786	590.9084	0.5519	591.1246	0.5027	591.3408	0.3770
590.6973	0.5475	590.9135	0.5065	591.1298	0.4367	591.3459	0.4271
590.7025	0.5406	590.9187	0.5248	591.1349	0.4826	591.3511	0.4011
590.7076	0.6016	590.9238	0.4930	591.1401	0.4060	591.3560	0.3834
590.7128	0.5485	590.9290	0.4568	591.1452	0.4785	591.3611	0.3858
590.7179	0.5838	590.9341	0.4524	591.1503	0.4703	591.3663	0.3518
590.7231	0.5558	590.9393	0.4938	591.1555	0.4426	591.3714	0.3503
590.7282	0.5457	590.9444	0.4973	591.1606	0.4524	591.3765	0.3939
590.7333	0.5756	590.9496	0.4359	591.1658	0.3970	591.3817	0.3865
590.7385	0.5184	590.9547	0.4653	591.1710	0.4679	591.3868	0.4010
590.7437	0.4830	590.9598	0.4896	591.1761	0.4441	591.3920	0.4032
590.7488	0.5288	590.9650	0.5147	591.1812	0.4681	591.3972	0.3427
590.7540	0.5070	590.9702	0.5547	591.1864	0.4459	591.4023	0.3586
590.7591	0.5389	590.9753	0.5325	591.1915	0.4971	591.4074	0.3539
590.7642	0.5097	590.9805	0.5516	591.1967	0.4887	591.4125	0.3956
590.7694	0.5766	590.9856	0.4527	591.2018	0.4084	591.4177	0.3943
590.7745	0.6114	590.9908	0.5778	591.2070	0.4426	591.4229	0.4174
590.7797	0.6019	590.9959	0.5857	591.2121	0.4672	591.4280	0.4696
590.7849	0.5455	591.0010	0.5462	591.2173	0.4641	591.4331	0.5139
590.7900	0.5646	591.0062	0.4885	591.2224	0.4828	591.4383	0.4911
590.7951	0.5292	591.0114	0.4608	591.2275	0.3997	591.4434	0.5092
590.8003	0.4946	591.0165	0.5193	591.2327	0.3773	591.4485	0.4761
590.8054	0.4651	591.0217	0.5603	591.2379	0.3856	591.4537	0.5526
590.8105	0.4911	591.0268	0.6272	591.2430	0.4119	591.4589	0.5241
590.8157	0.5807	591.0319	0.5258	591.2482	0.3975	591.4640	0.6130



Table 10. High Resolution Absorption Cross Section from 588-601 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
591.4691	0.5246	591.6851	0.4710	591.9012	0.5849	592.1172	0.5678
591.4743	0.4189	591.6903	0.5037	591.9063	0.5686	592.1223	0.6235
591.4794	0.4403	591.6954	0.5104	591.9114	0.6164	592.1274	0.6361
591.4846	0.4023	591.7006	0.5802	591.9166	0.6846	592.1326	0.6036
591.4897	0.3775	591.7057	0.6077	591.9218	0.7586	592.1378	0.6365
591.4949	0.3775	591.7109	0.4831	591.9269	0.6466	592.1429	0.6140
591.5000	0.3998	591.7160	0.4995	591.9320	0.6100	592.1480	0.6231
591.5051	0.4369	591.7211	0.5259	591.9371	0.6053	592.1532	0.7190
591.5103	0.4185	591.7263	0.5158	591.9423	0.5979	592.1583	0.7265
591.5154	0.4920	591.7314	0.5640	591.9474	0.6587	592.1635	0.6776
591.5206	0.4582	591.7366	0.5513	591.9526	0.7289	592.1686	0.5708
591.5257	0.4958	591.7417	0.5310	591.9577	0.7643	592.1738	0.5919
591.5308	0.5017	591.7469	0.6254	591.9629	0.7050	592.1789	0.5278
591.5360	0.5237	591.7520	0.6977	591.9680	0.6428	592.1840	0.5617
591.5411	0.5619	591.7571	0.7205	591.9731	0.5502	592.1891	0.5850
591.5463	0.6243	591.7623	0.5575	591.9783	0.5760	592.1943	0.5933
591.5514	0.7206	591.7675	0.6446	591.9835	0.5931	592.1995	0.6259
591.5566	0.7107	591.7726	0.6366	591.9886	0.6108	592.2046	0.5495
591.5617	0.6888	591.7777	0.6914	591.9937	0.6396	592.2097	0.6663
591.5668	0.6489	591.7828	0.6263	591.9989	0.6443	592.2149	0.6588
591.5720	0.5302	591.7880	0.5808	592.0040	0.6374	592.2200	0.7585
591.5771	0.5813	591.7932	0.6112	592.0092	0.5527	592.2252	0.8229
591.5823	0.5470	591.7983	0.5568	592.0143	0.5710	592.2303	0.6498
591.5874	0.5663	591.8035	0.5580	592.0195	0.5452	592.2355	0.5723
591.5926	0.5733	591.8086	0.5984	592.0246	0.5810	592.2406	0.6230
591.5977	0.5768	591.8137	0.5763	592.0297	0.5420	592.2457	0.6224
591.6028	0.5577	591.8188	0.7604	592.0349	0.5184	592.2509	0.7400
591.6080	0.5220	591.8240	0.6111	592.0400	0.4849	592.2560	0.8031
591.6132	0.4570	591.8292	0.6235	592.0452	0.5219	592.2612	0.8154
591.6183	0.4792	591.8343	0.5904	592.0503	0.4957	592.2663	0.7190
591.6234	0.4615	591.8394	0.5794	592.0555	0.5227	592.2715	0.6385
591.6285	0.5688	591.8446	0.5305	592.0606	0.5762	592.2766	0.5603
591.6337	0.5397	591.8497	0.5409	592.0657	0.5236	592.2817	0.5821
591.6389	0.6193	591.8549	0.6394	592.0709	0.5713	592.2869	0.5935
591.6440	0.6410	591.8600	0.7401	592.0760	0.5484	592.2921	0.5620
591.6492	0.5256	591.8652	0.6962	592.0812	0.5659	592.2972	0.6691
591.6543	0.5570	591.8703	0.6805	592.0863	0.5369	592.3023	0.6932
591.6594	0.6466	591.8754	0.6133	592.0914	0.4640	592.3075	0.6659
591.6646	0.5808	591.8806	0.6314	592.0966	0.4713	592.3126	0.6251
591.6697	0.5389	591.8857	0.5964	592.1017	0.4769	592.3177	0.6906
591.6749	0.5226	591.8909	0.5842	592.1069	0.5031	592.3229	0.7842
591.6800	0.4746	591.8960	0.5880	592.1120	0.5978	592.3281	0.7993



Table 10. High Resolution Absorption Cross Section from 588–601 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
592.3332	0.6988	592.5492	0.5242	592.7652	0.5636	592.9812	0.7274
592.3383	0.6527	592.5543	0.5058	592.7703	0.5541	592.9864	0.6355
592.3434	0.6668	592.5595	0.5323	592.7755	0.5428	592.9915	0.6520
592.3486	0.7446	592.5646	0.5653	592.7806	0.5326	592.9966	0.6432
592.3538	0.7796	592.5698	0.4845	592.7858	0.5540	593.0018	0.6824
592.3589	0.7243	592.5749	0.5872	592.7910	0.5448	593.0070	0.6150
592.3640	0.6670	592.5801	0.4739	592.7961	0.5364	593.0121	0.5812
592.3692	0.6951	592.5852	0.5745	592.8012	0.5538	593.0172	0.5817
592.3743	0.7120	592.5903	0.5017	592.8063	0.5499	593.0223	0.6275
592.3795	0.7476	592.5955	0.5542	592.8115	0.6115	593.0275	0.7652
592.3846	0.7621	592.6006	0.5300	592.8167	0.5047	593.0327	1.0249
592.3898	0.7826	592.6058	0.5491	592.8218	0.5453	593.0378	0.9400
592.3949	0.7506	592.6109	0.5373	592.8269	0.5098	593.0430	0.8140
592.4000	0.8303	592.6160	0.4830	592.8321	0.4976	593.0481	0.7260
592.4052	0.8202	592.6212	0.4933	592.8372	0.4764	593.0532	0.6454
592.4103	0.8474	592.6263	0.5232	592.8423	0.5041	593.0583	0.6390
592.4155	0.7012	592.6315	0.5347	592.8475	0.5753	593.0635	0.7065
592.4206	0.6795	592.6367	0.5714	592.8527	0.7430	593.0687	0.6585
592.4258	0.6746	592.6418	0.5846	592.8578	0.7219	593.0738	0.7007
592.4309	0.6527	592.6469	0.5665	592.8629	0.7401	593.0789	0.6477
592.4360	0.6412	592.6520	0.5327	592.8680	0.7138	593.0841	0.6275
592.4412	0.7300	592.6572	0.5790	592.8732	0.5674	593.0892	0.7086
592.4464	0.7492	592.6624	0.5878	592.8784	0.5008	593.0944	0.7055
592.4515	0.7309	592.6675	0.5320	592.8835	0.5347	593.0995	0.7731
592.4566	0.6721	592.6726	0.5605	592.8887	0.5660	593.1047	0.7482
592.4618	0.6014	592.6778	0.7352	592.8938	0.5643	593.1098	0.6178
592.4669	0.6449	592.6829	0.7323	592.8989	0.5961	593.1149	0.6665
592.4720	0.6945	592.6880	0.8041	592.9041	0.5811	593.1201	0.6571
592.4772	0.8499	592.6932	0.6561	592.9092	0.5086	593.1252	0.7373
592.4824	0.8542	592.6984	0.6606	592.9144	0.5162	593.1304	0.7872
592.4875	0.8311	592.7035	0.7217	592.9195	0.6033	593.1355	0.7563
592.4926	0.8262	592.7086	0.6031	592.9246	0.7021	593.1407	0.8474
592.4977	0.7390	592.7138	0.5563	592.9298	0.7351	593.1458	0.7850
592.5029	0.7166	592.7189	0.4810	592.9349	0.6896	593.1509	0.7784
592.5081	0.6065	592.7241	0.4788	592.9401	0.8413	593.1561	0.6272
592.5132	0.5932	592.7292	0.4957	592.9452	0.8254	593.1613	0.6542
592.5183	0.5940	592.7344	0.6152	592.9504	0.7403	593.1664	0.6104
592.5235	0.6314	592.7395	0.5656	592.9555	0.6306	593.1715	0.7593
592.5286	0.6587	592.7446	0.5788	592.9606	0.6531	593.1766	0.8379
592.5338	0.6722	592.7498	0.5643	592.9658	0.6240	593.1818	0.8454
592.5389	0.5575	592.7549	0.4903	592.9709	0.6641	593.1870	0.7917
592.5441	0.4784	592.7601	0.4257	592.9761	0.7259	593.1921	0.7406



Table 10. High Resolution Absorption Cross Section from 588–601 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
593.1972	0.6629	593.4133	0.4897	593.6293	0.3283	593.8453	0.4130
593.2024	0.6340	593.4184	0.4540	593.6344	0.4008	593.8504	0.4290
593.2075	0.6363	593.4235	0.4311	593.6395	0.4788	593.8555	0.4402
593.2126	0.6032	593.4286	0.4239	593.6447	0.4928	593.8607	0.5304
593.2178	0.6423	593.4338	0.4383	593.6498	0.5134	593.8658	0.5920
593.2230	0.7809	593.4390	0.4471	593.6550	0.4812	593.8710	0.5555
593.2281	0.8351	593.4441	0.4411	593.6601	0.5476	593.8762	0.5280
593.2332	0.8050	593.4493	0.4669	593.6653	0.7034	593.8813	0.5151
593.2384	0.7166	593.4544	0.4199	593.6704	0.5684	593.8864	0.5315
593.2435	0.6567	593.4595	0.4079	593.6755	0.6140	593.8915	0.5121
593.2487	0.6151	593.4647	0.3419	593.6807	0.5604	593.8967	0.5406
593.2538	0.5754	593.4698	0.3686	593.6859	0.5724	593.9019	0.5689
593.2590	0.6070	593.4750	0.3992	593.6910	0.5267	593.9070	0.6230
593.2641	0.7573	593.4801	0.4643	593.6961	0.4682	593.9121	0.5972
593.2692	0.8624	593.4852	0.4734	593.7013	0.4807	593.9173	0.5566
593.2744	0.8470	593.4904	0.5050	593.7064	0.5669	593.9224	0.4880
593.2795	0.7755	593.4955	0.5040	593.7115	0.5976	593.9276	0.5476
593.2847	0.7268	593.5007	0.5667	593.7167	0.5661	593.9327	0.5509
593.2898	0.6596	593.5058	0.5325	593.7219	0.6687	593.9379	0.5425
593.2950	0.5905	593.5110	0.5016	593.7270	0.7416	593.9430	0.4635
593.3001	0.5583	593.5161	0.4388	593.7321	0.6459	593.9481	0.4466
593.3052	0.5818	593.5212	0.4128	593.7372	0.5165	593.9533	0.4559
593.3104	0.5307	593.5264	0.4188	593.7424	0.5863	593.9584	0.4122
593.3156	0.5120	593.5316	0.4078	593.7476	0.4505	593.9636	0.3787
593.3207	0.5878	593.5367	0.4515	593.7527	0.4230	593.9687	0.4090
593.3258	0.6660	593.5418	0.5028	593.7578	0.4762	593.9739	0.4190
593.3309	0.6743	593.5470	0.5146	593.7630	0.4022	593.9790	0.4079
593.3361	0.7046	593.5521	0.5050	593.7681	0.4468	593.9841	0.4940
593.3412	0.7107	593.5573	0.4940	593.7733	0.4574	593.9893	0.5139
593.3464	0.6542	593.5624	0.4057	593.7784	0.4837	593.9944	0.5347
593.3515	0.5716	593.5676	0.4269	593.7836	0.4874	593.9996	0.5155
593.3567	0.4455	593.5727	0.4134	593.7887	0.5157	594.0047	0.4869
593.3618	0.4314	593.5778	0.4599	593.7938	0.5003	594.0098	0.4344
593.3669	0.4209	593.5829	0.4364	593.7990	0.5672	594.0150	0.5112
593.3721	0.5642	593.5881	0.3760	593.8041	0.4932	594.0201	0.3426
593.3773	0.6070	593.5933	0.4147	593.8093	0.6161	594.0253	0.2937
593.3824	0.5244	593.5984	0.4662	593.8144	0.6024	594.0305	0.3365
593.3875	0.5216	593.6035	0.6272	593.8196	0.5243	594.0356	0.4105
593.3927	0.5503	593.6087	0.5618	593.8247	0.4689	594.0407	0.4257
593.3978	0.5682	593.6138	0.4908	593.8298	0.4450	594.0458	0.4317
593.4030	0.5266	593.6190	0.4595	593.8350	0.4945	594.0510	0.4735
593.4081	0.4817	593.6241	0.4127	593.8401	0.4481	594.0562	0.4641



Table 10. High Resolution Absorption Cross Section from 588–601 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
594.0613	0.4019	594.2773	0.3243	594.4933	0.3061	594.7094	0.2542
594.0664	0.4349	594.2825	0.3566	594.4985	0.3408	594.7145	0.2816
594.0716	0.3545	594.2876	0.3450	594.5036	0.2993	594.7196	0.3033
594.0767	0.3944	594.2927	0.3295	594.5087	0.2989	594.7247	0.3486
594.0818	0.3488	594.2979	0.3254	594.5139	0.2939	594.7299	0.3745
594.0870	0.3875	594.3030	0.3041	594.5190	0.3297	594.7350	0.3870
594.0922	0.3712	594.3082	0.2831	594.5242	0.3216	594.7402	0.3753
594.0973	0.3603	594.3133	0.3232	594.5293	0.2997	594.7453	0.3109
594.1024	0.4122	594.3184	0.3099	594.5345	0.2970	594.7505	0.3064
594.1076	0.4620	594.3236	0.3195	594.5396	0.2987	594.7556	0.3630
594.1127	0.4676	594.3287	0.3694	594.5447	0.3011	594.7607	0.3597
594.1179	0.4546	594.3339	0.3712	594.5499	0.3134	594.7659	0.3317
594.1230	0.4537	594.3390	0.3397	594.5551	0.3326	594.7711	0.3737
594.1282	0.4258	594.3442	0.3453	594.5602	0.3331	594.7762	0.4193
594.1333	0.3543	594.3493	0.3476	594.5653	0.3664	594.7813	0.4051
594.1384	0.3122	594.3544	0.2887	594.5704	0.3611	594.7865	0.4242
594.1436	0.3080	594.3596	0.3120	594.5756	0.3448	594.7916	0.3662
594.1487	0.3450	594.3647	0.3261	594.5807	0.3300	594.7968	0.4025
594.1539	0.3514	594.3699	0.3485	594.5859	0.3241	594.8019	0.4015
594.1590	0.3951	594.3750	0.3256	594.5910	0.3205	594.8071	0.4018
594.1641	0.3593	594.3802	0.3521	594.5962	0.3699	594.8122	0.3680
594.1693	0.3673	594.3853	0.3071	594.6013	0.3616	594.8173	0.3617
594.1744	0.3349	594.3904	0.3266	594.6064	0.3021	594.8224	0.3354
594.1796	0.3539	594.3956	0.2663	594.6116	0.2856	594.8276	0.3255
594.1847	0.3506	594.4008	0.2942	594.6168	0.3014	594.8328	0.3005
594.1899	0.3937	594.4059	0.2932	594.6219	0.3324	594.8379	0.2920
594.1950	0.4043	594.4110	0.2642	594.6270	0.3922	594.8430	0.2532
594.2001	0.2890	594.4161	0.3092	594.6322	0.3662	594.8482	0.3308
594.2053	0.2905	594.4213	0.3306	594.6373	0.2946	594.8533	0.3022
594.2104	0.3535	594.4265	0.2809	594.6425	0.3083	594.8585	0.3702
594.2156	0.3293	594.4316	0.2976	594.6476	0.2852	594.8636	0.3274
594.2207	0.2658	594.4368	0.3042	594.6528	0.2782	594.8688	0.3313
594.2259	0.2543	594.4419	0.2805	594.6579	0.2567	594.8739	0.3047
594.2310	0.3128	594.4470	0.2934	594.6630	0.3109	594.8790	0.3128
594.2361	0.3159	594.4521	0.3010	594.6682	0.2548	594.8842	0.2967
594.2413	0.3185	594.4573	0.3470	594.6733	0.2994	594.8893	0.2637
594.2465	0.2878	594.4625	0.3493	594.6785	0.3406	594.8945	0.2418
594.2516	0.3105	594.4676	0.3483	594.6836	0.3428	594.8996	0.2650
594.2567	0.3650	594.4727	0.3624	594.6888	0.3361	594.9048	0.2801
594.2618	0.2856	594.4779	0.3115	594.6939	0.3376	594.9099	0.2584
594.2670	0.3184	594.4830	0.3483	594.6990	0.3011	594.9150	0.2983
594.2722	0.3305	594.4882	0.3887	594.7042	0.2985	594.9202	0.2940



Table 10. High Resolution Absorption Cross Section from 588–601 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
594.9254	0.2752	595.1414	0.2826	595.3574	0.2468	595.5734	0.2704
594.9305	0.2331	595.1465	0.2533	595.3625	0.2310	595.5785	0.2274
594.9356	0.2215	595.1516	0.2218	595.3677	0.1980	595.5837	0.2346
594.9408	0.2528	595.1568	0.2374	595.3728	0.2032	595.5888	0.2837
594.9459	0.2672	595.1619	0.2436	595.3779	0.2534	595.5939	0.2374
594.9510	0.2502	595.1671	0.2416	595.3831	0.2100	595.5991	0.2282
594.9562	0.2791	595.1722	0.2242	595.3882	0.2384	595.6042	0.2119
594.9614	0.2511	595.1774	0.2340	595.3934	0.2680	595.6094	0.2101
594.9665	0.3027	595.1825	0.2846	595.3985	0.2996	595.6145	0.2033
594.9716	0.2442	595.1876	0.3021	595.4036	0.2458	595.6197	0.2208
594.9767	0.2406	595.1928	0.2901	595.4088	0.2502	595.6248	0.2654
594.9819	0.2693	595.1979	0.3112	595.4139	0.2135	595.6299	0.2547
594.9871	0.2510	595.2031	0.3132	595.4191	0.2041	595.6351	0.2384
594.9922	0.2886	595.2082	0.3268	595.4243	0.2246	595.6403	0.2386
594.9973	0.2745	595.2134	0.2702	595.4294	0.2547	595.6454	0.2809
595.0025	0.3079	595.2185	0.2715	595.4345	0.2576	595.6505	0.2739
595.0076	0.3240	595.2236	0.2447	595.4396	0.2758	595.6556	0.2608
595.0128	0.2768	595.2288	0.2952	595.4448	0.2608	595.6608	0.2368
595.0179	0.2103	595.2339	0.2587	595.4500	0.2272	595.6660	0.2434
595.0231	0.2549	595.2391	0.3232	595.4551	0.2190	595.6711	0.2293
595.0282	0.3129	595.2442	0.2695	595.4602	0.2756	595.6763	0.2707
595.0333	0.3780	595.2493	0.2409	595.4654	0.2640	595.6814	0.2249
595.0385	0.3399	595.2545	0.2435	595.4705	0.2641	595.6865	0.2150
595.0436	0.3278	595.2596	0.2368	595.4756	0.2160	595.6917	0.2048
595.0488	0.2902	595.2648	0.3044	595.4808	0.2478	595.6968	0.2284
595.0539	0.3026	595.2700	0.2182	595.4860	0.2325	595.7020	0.1960
595.0591	0.2998	595.2751	0.2858	595.4911	0.2092	595.7071	0.2039
595.0642	0.3901	595.2802	0.3144	595.4962	0.2030	595.7122	0.2038
595.0693	0.3321	595.2853	0.3098	595.5013	0.1959	595.7174	0.1934
595.0745	0.2842	595.2905	0.2704	595.5065	0.1835	595.7225	0.2077
595.0797	0.2623	595.2957	0.2824	595.5117	0.1803	595.7277	0.2293
595.0848	0.2302	595.3008	0.2793	595.5168	0.2100	595.7328	0.2428
595.0899	0.2356	595.3059	0.2510	595.5220	0.1979	595.7380	0.2183
595.0951	0.2655	595.3111	0.2590	595.5271	0.1965	595.7431	0.2176
595.1002	0.2803	595.3162	0.2519	595.5322	0.2074	595.7482	0.2249
595.1053	0.2763	595.3214	0.2622	595.5374	0.1976	595.7534	0.1955
595.1105	0.2892	595.3265	0.2507	595.5425	0.2068	595.7585	0.2027
595.1157	0.2779	595.3317	0.2917	595.5477	0.2140	595.7637	0.2205
595.1208	0.2588	595.3368	0.3032	595.5528	0.2663	595.7688	0.1872
595.1259	0.2841	595.3419	0.3156	595.5579	0.2201	595.7740	0.2448
595.1310	0.2652	595.3471	0.2829	595.5631	0.2444	595.7791	0.2518
595.1362	0.2591	595.3522	0.2617	595.5682	0.2568	595.7842	0.2192



Table 10. High Resolution Absorption Cross Section from 588–601 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
595.7894	0.2191	596.0078	0.2339	596.2228	0.2705	596.4379	0.3227
595.7946	0.2217	596.0129	0.1895	596.2280	0.2740	596.4430	0.3443
595.7997	0.2549	596.0181	0.1954	596.2331	0.2774	596.4481	0.3220
595.8048	0.2650	596.0232	0.2449	596.2382	0.2378	596.4532	0.3053
595.8099	0.2406	596.0283	0.1875	596.2433	0.2705	596.4583	0.3141
595.8151	0.2389	596.0334	0.2141	596.2484	0.2698	596.4634	0.3409
595.8203	0.2795	596.0385	0.2221	596.2535	0.2684	596.4686	0.3103
595.8254	0.2770	596.0436	0.2098	596.2587	0.2305	596.4737	0.2975
595.8305	0.2840	596.0488	0.2171	596.2638	0.2509	596.4788	0.2968
595.8357	0.2325	596.0539	0.1904	596.2689	0.2972	596.4839	0.3014
595.8408	0.2510	596.0590	0.2008	596.2740	0.2846	596.4891	0.3111
595.8459	0.2661	596.0641	0.1760	596.2792	0.3440	596.4942	0.3352
595.8511	0.2747	596.0693	0.1659	596.2843	0.2326	596.4993	0.3370
595.8594	0.2794	596.0744	0.2109	596.2894	0.2666	596.5044	0.3451
595.8645	0.2859	596.0795	0.2153	596.2945	0.2757	596.5095	0.3239
595.8696	0.2556	596.0846	0.2208	596.2996	0.3034	596.5146	0.3050
595.8747	0.2564	596.0897	0.2196	596.3047	0.3320	596.5198	0.2506
595.8798	0.2510	596.0948	0.2620	596.3099	0.3017	596.5249	0.2828
595.8849	0.2152	596.1000	0.2971	596.3150	0.2745	596.5300	0.2630
595.8901	0.2136	596.1051	0.2839	596.3201	0.2818	596.5352	0.2652
595.8952	0.2003	596.1102	0.2998	596.3253	0.3275	596.5402	0.2999
595.9003	0.2172	596.1154	0.3063	596.3303	0.4426	596.5453	0.2908
595.9055	0.2272	596.1204	0.2679	596.3354	0.3735	596.5505	0.3287
595.9106	0.1921	596.1255	0.2881	596.3406	0.3719	596.5556	0.3161
595.9156	0.1953	596.1307	0.2187	596.3457	0.3279	596.5607	0.2877
595.9208	0.1750	596.1358	0.2497	596.3508	0.3071	596.5659	0.2639
595.9259	0.1843	596.1409	0.2679	596.3560	0.2817	596.5710	0.2619
595.9310	0.2192	596.1461	0.2786	596.3611	0.3508	596.5761	0.2814
595.9362	0.1996	596.1512	0.2468	596.3662	0.2702	596.5812	0.3229
595.9413	0.2130	596.1563	0.2429	596.3713	0.2866	596.5863	0.2902
595.9464	0.2258	596.1614	0.2766	596.3764	0.3131	596.5914	0.2750
595.9515	0.2637	596.1665	0.2401	596.3815	0.3989	596.5966	0.2873
595.9566	0.2436	596.1716	0.2339	596.3867	0.3576	596.6017	0.2574
595.9617	0.2623	596.1768	0.2323	596.3918	0.3712	596.6068	0.2508
595.9669	0.2061	596.1819	0.2698	596.3969	0.3689	596.6119	0.2625
595.9720	0.2667	596.1870	0.2344	596.4020	0.3500	596.6171	0.2569
595.9771	0.2642	596.1921	0.2596	596.4072	0.3619	596.6221	0.3052
595.9822	0.2062	596.1973	0.2465	596.4122	0.3212	596.6273	0.2911
595.9874	0.1998	596.2024	0.2675	596.4174	0.3448	596.6324	0.2558
595.9925	0.2306	596.2075	0.2546	596.4225	0.3362	596.6375	0.2633
595.9976	0.2290	596.2126	0.2314	596.4276	0.3651	596.6426	0.3146
596.0027	0.2083	596.2177	0.2166	596.4327	0.2967	596.6478	0.2706



Table 10. High Resolution Absorption Cross Section from 588–601 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
596.6529	0.2781	596.8679	0.2763	597.0829	0.3138	597.2979	0.2591
596.6580	0.2383	596.8730	0.3213	597.0880	0.2905	597.3030	0.2404
596.6631	0.2930	596.8781	0.3012	597.0931	0.3106	597.3082	0.2829
596.6682	0.2974	596.8832	0.3015	597.0983	0.2857	597.3133	0.2810
596.6733	0.3218	596.8884	0.2545	597.1034	0.2497	597.3184	0.2456
596.6785	0.2493	596.8935	0.2079	597.1085	0.2876	597.3235	0.2063
596.6836	0.2257	596.8986	0.1931	597.1136	0.3318	597.3286	0.2748
596.6887	0.2683	596.9037	0.2276	597.1188	0.2436	597.3337	0.3093
596.6938	0.2562	596.9089	0.2356	597.1238	0.2887	597.3389	0.3286
596.6990	0.2782	596.9139	0.2050	597.1290	0.2577	597.3440	0.3682
596.7040	0.2662	596.9191	0.2905	597.1341	0.2703	597.3491	0.3301
596.7092	0.2702	596.9242	0.2400	597.1392	0.2454	597.3542	0.2785
596.7143	0.3082	596.9293	0.2262	597.1443	0.2986	597.3594	0.3665
596.7194	0.2973	596.9344	0.2095	597.1495	0.3276	597.3645	0.4307
596.7245	0.2630	596.9396	0.2205	597.1546	0.3508	597.3696	0.4092
596.7297	0.2457	596.9447	0.2180	597.1597	0.3005	597.3747	0.2924
596.7348	0.2420	596.9498	0.2217	597.1648	0.2964	597.3798	0.2730
596.7399	0.2328	596.9549	0.2807	597.1699	0.2739	597.3849	0.3247
596.7450	0.2641	596.9600	0.3123	597.1750	0.2972	597.3901	0.2742
596.7501	0.2590	596.9651	0.2789	597.1802	0.2987	597.3952	0.2566
596.7552	0.2809	596.9703	0.2511	597.1853	0.2804	597.4003	0.2564
596.7604	0.2739	596.9754	0.2858	597.1904	0.2915	597.4055	0.3051
596.7655	0.2595	596.9805	0.2355	597.1956	0.3097	597.4105	0.3013
596.7706	0.2331	596.9857	0.2197	597.2007	0.2904	597.4156	0.3226
596.7758	0.2914	596.9908	0.2268	597.2057	0.2854	597.4208	0.3009
596.7809	0.2705	596.9958	0.2663	597.2109	0.2696	597.4259	0.3320
596.7860	0.3034	597.0010	0.2452	597.2160	0.2730	597.4310	0.3267
596.7911	0.3030	597.0061	0.2420	597.2211	0.2994	597.4362	0.3200
596.7962	0.2496	597.0112	0.2255	597.2263	0.3001	597.4413	0.3207
596.8013	0.2784	597.0164	0.2250	597.2314	0.2713	597.4464	0.3028
596.8065	0.2581	597.0215	0.2943	597.2365	0.2521	597.4515	0.3089
596.8116	0.3003	597.0266	0.2837	597.2416	0.2725	597.4566	0.3072
596.8167	0.2702	597.0317	0.3535	597.2467	0.2488	597.4617	0.3222
596.8218	0.2631	597.0368	0.3125	597.2518	0.3220	597.4669	0.3390
596.8270	0.2054	597.0419	0.2556	597.2570	0.3310	597.4720	0.3178
596.8320	0.1972	597.0471	0.2690	597.2621	0.3091	597.4771	0.2827
596.8372	0.2529	597.0522	0.2573	597.2672	0.2820	597.4822	0.2984
596.8423	0.2551	597.0573	0.2576	597.2723	0.3029	597.4874	0.3058
596.8474	0.2781	597.0624	0.2521	597.2775	0.3361	597.4925	0.3012
596.8525	0.2465	597.0676	0.2808	597.2826	0.2757	597.4976	0.3198
596.8577	0.2885	597.0727	0.2788	597.2877	0.2699	597.5027	0.3206
596.8628	0.2594	597.0778	0.2531	597.2928	0.2681	597.5078	0.2624



Table 10. High Resolution Absorption Cross Section from 588–601 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
597.5129	0.2772	597.7280	0.3232	597.9430	0.3115	598.1580	0.2576
597.5181	0.2478	597.7331	0.3565	597.9481	0.2802	598.1631	0.3430
597.5232	0.2474	597.7382	0.3439	597.9532	0.2877	598.1682	0.2508
597.5283	0.2475	597.7433	0.3153	597.9583	0.3434	598.1733	0.2428
597.5334	0.3028	597.7484	0.3229	597.9634	0.3678	598.1785	0.2632
597.5385	0.2582	597.7535	0.2906	597.9686	0.3759	598.1836	0.2762
597.5436	0.2585	597.7587	0.3330	597.9737	0.4174	598.1887	0.3379
597.5488	0.2818	597.7638	0.3290	597.9788	0.4056	598.1938	0.2973
597.5539	0.3198	597.7689	0.3301	597.9839	0.4095	598.1990	0.3251
597.5590	0.2760	597.7740	0.3364	597.9891	0.3471	598.2040	0.2731
597.5641	0.2402	597.7792	0.3102	597.9941	0.3264	598.2092	0.2810
597.5693	0.2761	597.7843	0.2914	597.9993	0.3320	598.2143	0.3253
597.5744	0.2676	597.7894	0.3402	598.0044	0.3031	598.2194	0.3145
597.5795	0.3092	597.7945	0.3686	598.0095	0.2805	598.2245	0.2298
597.5846	0.2991	597.7996	0.3249	598.0146	0.2309	598.2297	0.2738
597.5897	0.3329	597.8047	0.2809	598.0198	0.2634	598.2348	0.2811
597.5948	0.2942	597.8099	0.2804	598.0249	0.3525	598.2399	0.2898
597.6000	0.2881	597.8150	0.3084	598.0300	0.2903	598.2450	0.2947
597.6051	0.2734	597.8201	0.2755	598.0351	0.3381	598.2501	0.2599
597.6102	0.2443	597.8253	0.3602	598.0402	0.3726	598.2552	0.2695
597.6154	0.2470	597.8303	0.3213	598.0453	0.3236	598.2604	0.3008
597.6204	0.2825	597.8354	0.3021	598.0505	0.3174	598.2655	0.3260
597.6255	0.2879	597.8406	0.3140	598.0556	0.3283	598.2706	0.2833
597.6307	0.2843	597.8457	0.3242	598.0607	0.2550	598.2758	0.2876
597.6358	0.2719	597.8508	0.3694	598.0659	0.2877	598.2809	0.2849
597.6409	0.2962	597.8560	0.3562	598.0710	0.2933	598.2859	0.2344
597.6461	0.2944	597.8611	0.2965	598.0760	0.2428	598.2911	0.2823
597.6512	0.3070	597.8662	0.2659	598.0812	0.2815	598.2962	0.2814
597.6563	0.2732	597.8713	0.3159	598.0863	0.3150	598.3013	0.2636
597.6614	0.3046	597.8764	0.2904	598.0914	0.2751	598.3065	0.3009
597.6665	0.2679	597.8815	0.3058	598.0966	0.2814	598.3116	0.3107
597.6716	0.3074	597.8867	0.2379	598.1017	0.2381	598.3167	0.3345
597.6768	0.3003	597.8918	0.3364	598.1068	0.2987	598.3218	0.2761
597.6819	0.3085	597.8969	0.2921	598.1119	0.2823	598.3269	0.3043
597.6870	0.2445	597.9020	0.3343	598.1171	0.2511	598.3320	0.2400
597.6921	0.2950	597.9072	0.3093	598.1221	0.3689	598.3372	0.3635
597.6973	0.2837	597.9122	0.3351	598.1273	0.3016	598.3423	0.3203
597.7023	0.2689	597.9174	0.3438	598.1324	0.2981	598.3474	0.3042
597.7075	0.3063	597.9225	0.3316	598.1375	0.2722	598.3525	0.3410
597.7126	0.2826	597.9276	0.3464	598.1426	0.2546	598.3577	0.2597
597.7177	0.2953	597.9327	0.3317	598.1478	0.2594	598.3628	0.2899
597.7228	0.2872	597.9379	0.3308	598.1529	0.3184	598.3679	0.2090



Table 10. High Resolution Absorption Cross Section from 588–601 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
598.3730	0.2692	598.5727	0.3302	598.7723	0.3764	598.9720	0.3527
598.3781	0.2636	598.5778	0.3454	598.7775	0.2777	598.9771	0.3667
598.3832	0.2893	598.5829	0.3852	598.7826	0.3979	598.9822	0.4382
598.3884	0.2511	598.5880	0.3272	598.7877	0.3271	598.9874	0.3657
598.3935	0.3027	598.5931	0.2707	598.7928	0.3266	598.9924	0.5097
598.3986	0.2553	598.5983	0.3098	598.7979	0.3489	598.9976	0.3972
598.4037	0.2803	598.6034	0.3207	598.8030	0.2155	599.0027	0.4377
598.4088	0.2606	598.6085	0.3489	598.8082	0.2654	599.0078	0.4901
598.4139	0.1866	598.6136	0.3311	598.8133	0.3309	599.0129	0.4334
598.4191	0.2857	598.6187	0.2846	598.8184	0.3951	599.0181	0.4328
598.4242	0.2686	598.6238	0.3860	598.8235	0.3454	599.0232	0.4309
598.4293	0.3078	598.6290	0.3730	598.8286	0.3319	599.0283	0.3819
598.4344	0.4259	598.6341	0.4067	598.8337	0.2560	599.0334	0.4218
598.4396	0.3732	598.6392	0.3502	598.8389	0.3540	599.0385	0.3784
598.4447	0.3361	598.6443	0.3328	598.8440	0.2927	599.0436	0.4529
598.4498	0.2735	598.6495	0.3755	598.8491	0.3270	599.0488	0.5057
598.4549	0.2660	598.6546	0.4387	598.8542	0.4041	599.0539	0.3854
598.4600	0.2706	598.6597	0.4199	598.8594	0.4042	599.0590	0.4699
598.4651	0.3030	598.6648	0.3324	598.8645	0.4330	599.0641	0.3034
598.4703	0.3161	598.6699	0.4036	598.8696	0.3785	599.0693	0.3194
598.4754	0.2657	598.6750	0.4387	598.8747	0.2740	599.0744	0.3177
598.4805	0.2538	598.6802	0.4775	598.8798	0.3264	599.0795	0.3998
598.4857	0.3393	598.6853	0.4170	598.8849	0.3721	599.0846	0.3298
598.4908	0.2615	598.6904	0.4176	598.8901	0.3800	599.0897	0.2172
598.4958	0.3093	598.6956	0.3133	598.8952	0.4141	599.0948	0.3318
598.5010	0.2769	598.7006	0.3086	598.9003	0.3495	599.1000	0.3736
598.5061	0.2477	598.7057	0.2980	598.9055	0.4850	599.1051	0.4104
598.5112	0.3040	598.7109	0.3868	598.9105	0.3866	599.1102	0.4819
598.5164	0.3247	598.7160	0.3541	598.9156	0.3703	599.1154	0.4127
598.5215	0.3484	598.7211	0.4108	598.9208	0.4337	599.1204	0.3870
598.5266	0.3873	598.7263	0.3427	598.9259	0.3585	599.1255	0.4306
598.5317	0.3397	598.7314	0.3296	598.9310	0.3833	599.1307	0.3446
598.5368	0.3273	598.7365	0.3086	598.9362	0.3648	599.1358	0.4486
598.5419	0.3300	598.7416	0.3397	598.9413	0.3526	599.1409	0.3924
598.5471	0.3080	598.7467	0.3796	598.9464	0.4600	599.1461	0.3652
598.5522	0.3174	598.7518	0.3867	598.9515	0.4986	599.1512	0.3874
598.5573	0.2365	598.7570	0.3548	598.9566	0.5497	599.1563	0.3652
598.5624	0.2575	598.7621	0.3061	598.9617	0.4078	599.1614	0.3222
598.5676	0.3126	598.7672	0.4009	598.9669	0.3974	599.1665	0.3496



Table 11. High Resolution Absorption Cross Section from 588–601 nm at 573K

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
587.9908	0.6744	588.2073	0.5824	588.4236	0.6800	588.6400	0.6562
587.9960	0.6913	588.2124	0.6076	588.4288	0.6484	588.6452	0.6659
588.0012	0.6805	588.2176	0.6279	588.4340	0.6469	588.6503	0.6658
588.0063	0.6499	588.2227	0.5941	588.4391	0.6694	588.6555	0.6614
588.0115	0.6511	588.2278	0.6585	588.4443	0.6667	588.6606	0.6824
588.0166	0.6288	588.2330	0.6215	588.4494	0.6467	588.6658	0.6443
588.0218	0.6579	588.2382	0.6792	588.4545	0.6570	588.6710	0.6885
588.0269	0.6466	588.2433	0.6626	588.4597	0.6637	588.6761	0.6831
588.0321	0.7070	588.2485	0.6328	588.4648	0.6914	588.6813	0.6735
588.0372	0.7281	588.2536	0.6683	588.4700	0.6524	588.6864	0.6892
588.0424	0.7007	588.2588	0.6307	588.4752	0.6431	588.6915	0.6943
588.0475	0.6738	588.2639	0.6803	588.4803	0.6550	588.6967	0.6775
588.0527	0.6964	588.2691	0.6450	588.4855	0.6373	588.7018	0.7011
588.0579	0.6436	588.2742	0.6446	588.4906	0.6322	588.7070	0.6882
588.0630	0.6719	588.2794	0.6016	588.4958	0.6262	588.7122	0.6958
588.0682	0.6585	588.2845	0.6103	588.5009	0.6276	588.7173	0.7098
588.0733	0.6713	588.2897	0.6320	588.5061	0.6259	588.7225	0.7052
588.0784	0.6801	588.2949	0.6228	588.5112	0.6396	588.7276	0.6864
588.0836	0.6374	588.3000	0.5833	588.5164	0.6490	588.7328	0.6997
588.0887	0.6185	588.3051	0.6104	588.5215	0.6522	588.7379	0.7080
588.0939	0.6057	588.3103	0.5944	588.5267	0.6237	588.7430	0.6822
588.0991	0.6309	588.3154	0.5940	588.5319	0.6794	588.7482	0.6978
588.1042	0.6338	588.3206	0.6091	588.5370	0.6283	588.7534	0.6905
588.1094	0.6589	588.3257	0.6019	588.5421	0.6720	588.7585	0.6978
588.1145	0.6455	588.3309	0.6103	588.5473	0.6466	588.7637	0.6925
588.1197	0.6215	588.3361	0.6169	588.5524	0.6359	588.7688	0.6938
588.1248	0.6524	588.3412	0.6533	588.5576	0.6404	588.7740	0.6583
588.1300	0.6070	588.3464	0.6565	588.5627	0.6508	588.7791	0.6926
588.1351	0.6412	588.3515	0.6674	588.5679	0.6642	588.7843	0.6588
588.1403	0.6219	588.3567	0.6383	588.5731	0.6803	588.7894	0.6656
588.1454	0.6140	588.3618	0.6426	588.5782	0.6517	588.7946	0.6487
588.1506	0.6031	588.3669	0.6437	588.5834	0.7006	588.7997	0.6882
588.1558	0.6284	588.3721	0.6506	588.5885	0.6824	588.8049	0.6841
588.1609	0.6078	588.3773	0.7014	588.5937	0.6628	588.8101	0.6895
588.1660	0.6308	588.3824	0.6266	588.5988	0.6593	588.8152	0.6765
588.1712	0.6350	588.3876	0.6973	588.6039	0.6723	588.8204	0.6802
588.1763	0.6520	588.3927	0.6858	588.6091	0.6763	588.8255	0.6497
588.1815	0.6124	588.3979	0.6968	588.6143	0.6431	588.8306	0.6947
588.1866	0.5926	588.4030	0.6865	588.6194	0.6456	588.8358	0.6785
588.1918	0.6304	588.4082	0.6961	588.6246	0.6406	588.8409	0.6761
588.1970	0.6420	588.4133	0.6958	588.6297	0.6643	588.8461	0.6971
588.2021	0.6131	588.4185	0.6679	588.6349	0.6947	588.8513	0.6556



Table 11. High Resolution Absorption Cross Section from 588–601 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
588.8564	0.6529	589.0728	0.6427	589.2892	0.6184	589.5056	0.7328
588.8616	0.6570	589.0779	0.6637	589.2943	0.6439	589.5107	0.7365
588.8667	0.6598	589.0831	0.6347	589.2995	0.6313	589.5159	0.7417
588.8719	0.6655	589.0883	0.6773	589.3046	0.6616	589.5211	0.7337
588.8770	0.6897	589.0934	0.6572	589.3098	0.6498	589.5262	0.6941
588.8822	0.6598	589.0986	0.6706	589.3149	0.6368	589.5313	0.7180
588.8873	0.6644	589.1037	0.6945	589.3201	0.6350	589.5365	0.7131
588.8925	0.6606	589.1089	0.6454	589.3253	0.6442	589.5416	0.7139
588.8976	0.6626	589.1140	0.6882	589.3304	0.6540	589.5468	0.7008
588.9028	0.6557	589.1191	0.6501	589.3356	0.6029	589.5519	0.7126
588.9080	0.6319	589.1243	0.6920	589.3407	0.6124	589.5571	0.6949
588.9131	0.6596	589.1295	0.6596	589.3459	0.6408	589.5623	0.7044
588.9182	0.6513	589.1346	0.6723	589.3510	0.6569	589.5674	0.6499
588.9234	0.6499	589.1398	0.6531	589.3561	0.6561	589.5726	0.6862
588.9285	0.6250	589.1450	0.6530	589.3613	0.6264	589.5777	0.6974
588.9337	0.6620	589.1501	0.6139	589.3665	0.6734	589.5828	0.6810
588.9388	0.6458	589.1552	0.6525	589.3716	0.6837	589.5880	0.6653
588.9440	0.6626	589.1604	0.6537	589.3768	0.6757	589.5931	0.6857
588.9492	0.6236	589.1655	0.6706	589.3819	0.6933	589.5983	0.6762
588.9543	0.6203	589.1707	0.6305	589.3871	0.6653	589.6035	0.6792
588.9595	0.6119	589.1758	0.6345	589.3922	0.6884	589.6086	0.6879
588.9646	0.6684	589.1810	0.6587	589.3974	0.6969	589.6138	0.7303
588.9698	0.6309	589.1862	0.6442	589.4025	0.7005	589.6189	0.7296
588.9749	0.6671	589.1913	0.6406	589.4077	0.7373	589.6241	0.7292
588.9800	0.6469	589.1965	0.6112	589.4128	0.7377	589.6292	0.7201
588.9852	0.6618	589.2016	0.5997	589.4180	0.7611	589.6344	0.7018
588.9904	0.6692	589.2067	0.6640	589.4232	0.7479	589.6395	0.7170
588.9955	0.6612	589.2119	0.6448	589.4283	0.7483	589.6447	0.6985
589.0007	0.6416	589.2170	0.6396	589.4335	0.7513	589.6498	0.7082
589.0058	0.6840	589.2222	0.6229	589.4386	0.7376	589.6550	0.7009
589.0110	0.6560	589.2274	0.6378	589.4437	0.7697	589.6602	0.7256
589.0161	0.6586	589.2325	0.6492	589.4489	0.7178	589.6653	0.7224
589.0213	0.6511	589.2377	0.6069	589.4540	0.7444	589.6704	0.6636
589.0264	0.6316	589.2428	0.6350	589.4592	0.7234	589.6756	0.6923
589.0316	0.6390	589.2480	0.6177	589.4644	0.7181	589.6807	0.6877
589.0367	0.6225	589.2531	0.6403	589.4695	0.7345	589.6859	0.6937
589.0419	0.6418	589.2583	0.6384	589.4747	0.7855	589.6910	0.6917
589.0471	0.6356	589.2634	0.6398	589.4798	0.7234	589.6962	0.6826
589.0522	0.6710	589.2686	0.6319	589.4850	0.7179	589.7014	0.6832
589.0574	0.6597	589.2737	0.6119	589.4901	0.7415	589.7065	0.6626
589.0625	0.6549	589.2789	0.6398	589.4952	0.7444	589.7117	0.6781
589.0676	0.6610	589.2841	0.6588	589.5004	0.7089	589.7168	0.6813



Table 11. High Resolution Absorption Cross Section from 588-601 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
589.7220	0.6900	589.9384	0.6730	590.1547	0.7537	590.3711	0.7202
589.7271	0.6862	589.9435	0.6917	590.1599	0.7242	590.3763	0.7325
589.7322	0.7132	589.9487	0.6995	590.1650	0.7204	590.3814	0.7273
589.7374	0.6780	589.9538	0.6842	590.1702	0.7177	590.3866	0.7172
589.7426	0.7018	589.9589	0.6734	590.1754	0.7195	590.3917	0.7182
589.7477	0.6837	589.9641	0.6536	590.1805	0.7263	590.3969	0.6993
589.7529	0.7053	589.9692	0.6674	590.1857	0.7271	590.4020	0.7010
589.7580	0.6546	589.9744	0.6605	590.1908	0.7046	590.4072	0.7326
589.7632	0.6714	589.9796	0.6949	590.1959	0.7144	590.4124	0.7509
589.7683	0.6504	589.9847	0.6810	590.2011	0.7241	590.4175	0.7375
589.7735	0.6964	589.9899	0.6843	590.2062	0.7618	590.4226	0.7666
589.7786	0.6733	589.9950	0.6842	590.2114	0.7465	590.4278	0.7449
589.7838	0.6828	590.0002	0.6753	590.2166	0.7899	590.4329	0.7570
589.7889	0.6670	590.0053	0.7038	590.2217	0.7433	590.4381	0.7707
589.7941	0.6795	590.0105	0.6965	590.2269	0.7367	590.4432	0.7719
589.7993	0.6916	590.0156	0.7012	590.2320	0.6925	590.4484	0.7587
589.8044	0.6645	590.0208	0.6879	590.2372	0.7091	590.4536	0.7306
589.8096	0.6873	590.0259	0.6902	590.2423	0.7134	590.4587	0.7192
589.8147	0.7164	590.0311	0.6975	590.2474	0.7020	590.4639	0.7525
589.8198	0.7707	590.0363	0.6795	590.2526	0.7231	590.4690	0.7435
589.8250	0.6920	590.0414	0.6774	590.2578	0.7162	590.4742	0.8082
589.8301	0.7150	590.0465	0.6739	590.2629	0.6746	590.4793	0.7838
589.8353	0.7053	590.0517	0.6847	590.2681	0.6982	590.4844	0.7694
589.8405	0.7043	590.0568	0.6780	590.2733	0.7163	590.4896	0.7759
589.8456	0.7138	590.0620	0.6996	590.2784	0.7087	590.4948	0.7720
589.8508	0.7184	590.0671	0.6956	590.2835	0.7365	590.4999	0.7659
589.8559	0.6841	590.0723	0.7268	590.2887	0.7015	590.5051	0.7407
589.8611	0.7106	590.0775	0.7025	590.2938	0.7269	590.5102	0.7526
589.8662	0.7161	590.0826	0.7130	590.2990	0.7210	590.5154	0.7504
589.8713	0.7179	590.0878	0.7385	590.3041	0.7083	590.5205	0.7361
589.8765	0.7033	590.0929	0.7458	590.3093	0.6993	590.5257	0.7747
589.8817	0.6931	590.0981	0.7406	590.3145	0.7152	590.5308	0.7736
589.8868	0.7103	590.1032	0.7495	590.3196	0.7198	590.5360	0.7931
589.8920	0.7170	590.1083	0.7309	590.3248	0.7053	590.5411	0.7528
589.8972	0.7055	590.1135	0.7276	590.3299	0.6865	590.5463	0.7900
589.9023	0.7271	590.1187	0.7019	590.3350	0.7205	590.5515	0.7983
589.9074	0.7030	590.1238	0.7142	590.3402	0.6899	590.5566	0.7936
589.9126	0.7117	590.1290	0.7064	590.3453	0.6735	590.5618	0.7898
589.9177	0.7145	590.1341	0.7157	590.3505	0.7122	590.5669	0.8023
589.9229	0.6852	590.1393	0.7343	590.3557	0.7303	590.5720	0.8005
589.9280	0.7072	590.1444	0.7373	590.3608	0.7169	590.5772	0.7622
589.9332	0.7206	590.1496	0.7457	590.3660	0.7281	590.5823	0.7839



Table 11. High Resolution Absorption Cross Section from 588-601 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
590.5875	0.7793	590.8039	0.7248	591.0203	0.7337	591.2366	0.6408
590.5927	0.7835	590.8090	0.7505	591.0255	0.7312	591.2418	0.6241
590.5978	0.7822	590.8142	0.7543	591.0306	0.7159	591.2469	0.6086
590.6030	0.7669	590.8193	0.7520	591.0357	0.7296	591.2521	0.6131
590.6081	0.7839	590.8245	0.7454	591.0409	0.7413	591.2573	0.6041
590.6133	0.7970	590.8297	0.7252	591.0460	0.7323	591.2624	0.5941
590.6184	0.7907	590.8348	0.6996	591.0512	0.7137	591.2676	0.6064
590.6236	0.8160	590.8400	0.7000	591.0563	0.6914	591.2727	0.5795
590.6287	0.8262	590.8451	0.6968	591.0615	0.7252	591.2779	0.5854
590.6339	0.8385	590.8503	0.6933	591.0667	0.6810	591.2830	0.5813
590.6390	0.8043	590.8554	0.7014	591.0718	0.6964	591.2882	0.5789
590.6442	0.7786	590.8605	0.7042	591.0770	0.6946	591.2933	0.5867
590.6494	0.7905	590.8657	0.7252	591.0821	0.6950	591.2985	0.6103
590.6545	0.7847	590.8708	0.7577	591.0873	0.6936	591.3036	0.6297
590.6596	0.7921	590.8760	0.7480	591.0924	0.6816	591.3088	0.6039
590.6648	0.7761	590.8812	0.7773	591.0975	0.6771	591.3140	0.5910
590.6699	0.7674	590.8863	0.7959	591.1027	0.6659	591.3191	0.6078
590.6751	0.7680	590.8915	0.7854	591.1078	0.6781	591.3242	0.5932
590.6802	0.7973	590.8966	0.7559	591.1130	0.6716	591.3294	0.5770
590.6854	0.7901	590.9018	0.7935	591.1182	0.6664	591.3345	0.5919
590.6906	0.7554	590.9069	0.7327	591.1233	0.6772	591.3397	0.5955
590.6957	0.7751	590.9121	0.7211	591.1285	0.6831	591.3448	0.6042
590.7009	0.7486	590.9172	0.7339	591.1336	0.6727	591.3500	0.6135
590.7060	0.7889	590.9224	0.7118	591.1388	0.7046	591.3552	0.6062
590.7111	0.7654	590.9276	0.7291	591.1439	0.6860	591.3603	0.6065
590.7163	0.7554	590.9327	0.6872	591.1490	0.6891	591.3655	0.6051
590.7214	0.8033	590.9379	0.7271	591.1542	0.6621	591.3706	0.5997
590.7266	0.7506	590.9430	0.7143	591.1594	0.6708	591.3758	0.5989
590.7318	0.7368	590.9481	0.7222	591.1646	0.6531	591.3809	0.6128
590.7369	0.7513	590.9533	0.7220	591.1697	0.6717	591.3860	0.6002
590.7421	0.7281	590.9584	0.7071	591.1748	0.6617	591.3912	0.6075
590.7472	0.7315	590.9636	0.7296	591.1800	0.6437	591.3964	0.6064
590.7524	0.7468	590.9688	0.7257	591.1851	0.6727	591.4016	0.6079
590.7575	0.7055	590.9739	0.7472	591.1903	0.6355	591.4067	0.6225
590.7627	0.7784	590.9791	0.7493	591.1954	0.6445	591.4118	0.6182
590.7678	0.7434	590.9842	0.7436	591.2006	0.6403	591.4170	0.6565
590.7729	0.7594	590.9894	0.7437	591.2057	0.6628	591.4221	0.6486
590.7781	0.7501	590.9945	0.7401	591.2109	0.6508	591.4273	0.6402
590.7833	0.7472	590.9997	0.7540	591.2161	0.6498	591.4324	0.6613
590.7885	0.7613	591.0048	0.7128	591.2212	0.6405	591.4376	0.6621
590.7936	0.7646	591.0099	0.7168	591.2264	0.6193	591.4427	0.6736
590.7987	0.7266	591.0151	0.7778	591.2315	0.6428	591.4479	0.6556



Table 11. High Resolution Absorption Cross Section from 588–601 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
591.4531	0.6537	591.6694	0.6651	591.8858	0.7154	592.1022	0.6921
591.4582	0.6570	591.6746	0.6825	591.8910	0.7129	592.1074	0.7059
591.4634	0.6639	591.6797	0.6612	591.8961	0.7295	592.1125	0.7026
591.4685	0.6330	591.6849	0.6657	591.9012	0.7350	592.1177	0.7364
591.4736	0.6386	591.6901	0.6778	591.9064	0.7768	592.1228	0.7361
591.4788	0.6264	591.6952	0.6774	591.9116	0.7498	592.1280	0.7387
591.4839	0.6201	591.7003	0.6986	591.9167	0.7488	592.1331	0.7108
591.4891	0.6044	591.7055	0.6830	591.9219	0.7516	592.1382	0.7556
591.4943	0.6146	591.7106	0.6713	591.9271	0.7270	592.1434	0.7590
591.4994	0.6304	591.7158	0.6625	591.9322	0.7404	592.1486	0.7690
591.5046	0.6462	591.7209	0.6622	591.9373	0.7480	592.1537	0.7507
591.5097	0.6277	591.7261	0.6809	591.9425	0.7482	592.1589	0.7353
591.5149	0.6372	591.7313	0.6727	591.9476	0.7591	592.1640	0.7484
591.5200	0.6418	591.7364	0.7262	591.9528	0.7417	592.1692	0.7168
591.5251	0.6784	591.7416	0.6807	591.9579	0.7463	592.1743	0.7137
591.5303	0.6847	591.7467	0.7398	591.9631	0.7511	592.1795	0.7276
591.5355	0.7152	591.7519	0.7290	591.9683	0.7320	592.1846	0.7172
591.5406	0.7230	591.7570	0.7359	591.9734	0.7251	592.1898	0.7300
591.5458	0.7073	591.7621	0.7300	591.9786	0.7038	592.1949	0.7294
591.5510	0.7142	591.7673	0.7090	591.9837	0.7407	592.2001	0.7285
591.5561	0.7034	591.7725	0.7255	591.9888	0.7606	592.2053	0.7433
591.5612	0.7107	591.7776	0.6930	591.9940	0.7317	592.2104	0.7602
591.5664	0.6651	591.7828	0.7176	591.9991	0.7368	592.2156	0.7371
591.5715	0.6811	591.7879	0.6968	592.0043	0.7123	592.2207	0.7618
591.5767	0.6738	591.7931	0.7184	592.0095	0.7178	592.2258	0.7118
591.5818	0.6771	591.7982	0.7312	592.0146	0.7013	592.2310	0.7268
591.5870	0.6937	591.8034	0.7122	592.0198	0.6978	592.2361	0.7472
591.5922	0.6712	591.8085	0.7442	592.0249	0.7077	592.2413	0.7175
591.5973	0.6554	591.8137	0.7206	592.0301	0.6949	592.2465	0.7355
591.6025	0.6664	591.8188	0.7232	592.0352	0.6887	592.2516	0.7814
591.6076	0.6326	591.8240	0.7373	592.0404	0.6717	592.2568	0.7290
591.6127	0.6611	591.8292	0.7140	592.0455	0.6716	592.2619	0.7554
591.6179	0.6674	591.8343	0.7101	592.0507	0.6768	592.2671	0.7580
591.6230	0.6901	591.8395	0.6954	592.0558	0.6710	592.2722	0.6991
591.6282	0.6645	591.8446	0.7375	592.0610	0.6897	592.2773	0.7169
591.6334	0.6801	591.8497	0.7284	592.0662	0.7197	592.2825	0.6848
591.6385	0.6680	591.8549	0.7261	592.0713	0.7184	592.2877	0.6884
591.6437	0.7192	591.8600	0.7356	592.0764	0.6996	592.2928	0.7282
591.6488	0.6867	591.8652	0.7293	592.0816	0.6768	592.2980	0.7130
591.6540	0.7060	591.8704	0.7310	592.0867	0.6617	592.3032	0.7227
591.6591	0.6653	591.8755	0.7435	592.0919	0.6856	592.3083	0.7203
591.6643	0.6784	591.8807	0.7260	592.0970	0.6698	592.3134	0.7808



Table 11. High Resolution Absorption Cross Section from 588–601 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
592.3186	0.7351	592.5350	0.6881	592.7513	0.6605	592.9678	0.7338
592.3237	0.7608	592.5401	0.6759	592.7565	0.6643	592.9729	0.7623
592.3289	0.7651	592.5453	0.6694	592.7617	0.6863	592.9780	0.7631
592.3340	0.7495	592.5504	0.6449	592.7668	0.6658	592.9832	0.7482
592.3392	0.7670	592.5556	0.6614	592.7720	0.6924	592.9883	0.7311
592.3444	0.7294	592.5607	0.6440	592.7771	0.6793	592.9935	0.7294
592.3495	0.7295	592.5659	0.6477	592.7823	0.6903	592.9987	0.7188
592.3547	0.7343	592.5710	0.6373	592.7874	0.6572	593.0038	0.7200
592.3598	0.7728	592.5762	0.6383	592.7926	0.6866	593.0090	0.7044
592.3649	0.7523	592.5814	0.6593	592.7977	0.6881	593.0141	0.6901
592.3701	0.7728	592.5865	0.6300	592.8029	0.6858	593.0193	0.7534
592.3752	0.7751	592.5917	0.6589	592.8080	0.6973	593.0244	0.7601
592.3804	0.7577	592.5968	0.6576	592.8132	0.7277	593.0296	0.7869
592.3856	0.7661	592.6019	0.6689	592.8184	0.6920	593.0347	0.7882
592.3907	0.7875	592.6071	0.6544	592.8235	0.7007	593.0399	0.8006
592.3959	0.8024	592.6122	0.6639	592.8286	0.6717	593.0450	0.7880
592.4010	0.7771	592.6174	0.6779	592.8338	0.6970	593.0502	0.7792
592.4062	0.7639	592.6226	0.6755	592.8389	0.6777	593.0554	0.7422
592.4113	0.7727	592.6277	0.7070	592.8441	0.7017	593.0605	0.7595
592.4165	0.7489	592.6329	0.6652	592.8492	0.7521	593.0656	0.7270
592.4216	0.7268	592.6380	0.6955	592.8544	0.7405	593.0708	0.7258
592.4268	0.7363	592.6432	0.6924	592.8596	0.7308	593.0759	0.7376
592.4319	0.7297	592.6483	0.6800	592.8647	0.7177	593.0811	0.7233
592.4371	0.7398	592.6534	0.6944	592.8699	0.6905	593.0862	0.7611
592.4423	0.7326	592.6586	0.6669	592.8750	0.6970	593.0914	0.7234
592.4474	0.7318	592.6638	0.7065	592.8802	0.6938	593.0966	0.7593
592.4525	0.7458	592.6689	0.7630	592.8853	0.6743	593.1017	0.7236
592.4577	0.7243	592.6741	0.7379	592.8904	0.7012	593.1069	0.7285
592.4628	0.7488	592.6793	0.7742	592.8956	0.6858	593.1120	0.7487
592.4680	0.7293	592.6844	0.7774	592.9008	0.7195	593.1171	0.7495
592.4731	0.7623	592.6895	0.7810	592.9059	0.7239	593.1223	0.7760
592.4783	0.7708	592.6947	0.7622	592.9111	0.7332	593.1274	0.7489
592.4835	0.7863	592.6998	0.7340	592.9162	0.7474	593.1326	0.7943
592.4886	0.7794	592.7050	0.6949	592.9214	0.7683	593.1378	0.7823
592.4938	0.7665	592.7101	0.7018	592.9265	0.7902	593.1429	0.7670
592.4989	0.7368	592.7153	0.7045	592.9317	0.7953	593.1481	0.7451
592.5041	0.7118	592.7205	0.7126	592.9368	0.8079	593.1532	0.7605
592.5092	0.7253	592.7256	0.7095	592.9420	0.7772	593.1584	0.7558
592.5143	0.6805	592.7308	0.6934	592.9471	0.7667	593.1635	0.7605
592.5195	0.7190	592.7359	0.6931	592.9523	0.7437	593.1687	0.7389
592.5247	0.6795	592.7410	0.6660	592.9575	0.7468	593.1738	0.7673
592.5298	0.7006	592.7462	0.6764	592.9626	0.7556	593.1790	0.7546



Table 11. High Resolution Absorption Cross Section from 588-601 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
593.1841	0.7287	593.4005	0.6859	593.6169	0.6551	593.8333	0.6253
593.1893	0.7536	593.4057	0.6477	593.6221	0.6453	593.8384	0.6289
593.1945	0.7178	593.4108	0.6509	593.6272	0.6481	593.8436	0.6319
593.1996	0.7063	593.4160	0.6197	593.6324	0.6271	593.8488	0.6328
593.2047	0.7178	593.4211	0.6206	593.6375	0.6435	593.8539	0.6379
593.2099	0.7211	593.4263	0.6001	593.6426	0.6315	593.8591	0.6392
593.2150	0.7311	593.4315	0.5957	593.6478	0.6264	593.8642	0.6542
593.2202	0.7523	593.4366	0.6110	593.6530	0.6207	593.8694	0.6773
593.2253	0.7603	593.4417	0.6100	593.6581	0.6398	593.8760	0.7035
593.2305	0.7513	593.4469	0.6262	593.6633	0.6637	593.8811	0.7144
593.2357	0.7368	593.4520	0.6081	593.6684	0.6623	593.8862	0.7073
593.2408	0.7197	593.4572	0.5817	593.6736	0.6577	593.8914	0.7294
593.2460	0.7228	593.4623	0.6130	593.6787	0.6824	593.8965	0.7161
593.2511	0.7065	593.4675	0.6105	593.6839	0.6940	593.9017	0.7264
593.2563	0.7203	593.4727	0.6311	593.6890	0.6615	593.9069	0.7129
593.2614	0.7299	593.4778	0.6168	593.6942	0.6752	593.9120	0.7177
593.2665	0.7408	593.4830	0.6349	593.6993	0.6709	593.9171	0.7068
593.2717	0.7489	593.4881	0.6642	593.7045	0.6779	593.9222	0.6704
593.2769	0.7632	593.4933	0.6687	593.7097	0.6732	593.9274	0.6708
593.2820	0.7414	593.4984	0.6843	593.7148	0.6836	593.9326	0.6603
593.2872	0.7297	593.5035	0.6928	593.7200	0.6923	593.9377	0.6757
593.2923	0.7305	593.5087	0.6761	593.7251	0.7119	593.9429	0.6498
593.2975	0.6894	593.5139	0.6692	593.7302	0.7190	593.9480	0.6499
593.3026	0.7106	593.5190	0.6646	593.7354	0.7131	593.9531	0.6402
593.3078	0.6931	593.5242	0.6617	593.7405	0.6911	593.9583	0.6456
593.3129	0.6915	593.5293	0.6472	593.7457	0.6908	593.9634	0.6552
593.3181	0.7037	593.5345	0.6523	593.7509	0.6718	593.9686	0.6444
593.3232	0.7030	593.5396	0.6478	593.7560	0.6450	593.9737	0.6617
593.3284	0.7161	593.5448	0.6728	593.7612	0.6379	593.9789	0.6635
593.3336	0.7451	593.5499	0.6317	593.7663	0.6475	593.9840	0.6853
593.3387	0.7137	593.5551	0.6408	593.7715	0.6246	593.9891	0.6781
593.3439	0.6872	593.5602	0.6311	593.7766	0.6552	593.9943	0.6873
593.3490	0.6626	593.5654	0.6065	593.7818	0.6380	593.9995	0.6675
593.3541	0.6738	593.5706	0.5994	593.7869	0.6524	594.0046	0.6648
593.3593	0.6699	593.5757	0.5868	593.7921	0.6676	594.0097	0.6399
593.3644	0.6674	593.5808	0.5895	593.7972	0.6418	594.0149	0.6127
593.3696	0.6412	593.5860	0.6034	593.8024	0.6376	594.0200	0.6040
593.3748	0.6529	593.5911	0.6151	593.8076	0.6683	594.0251	0.5968
593.3799	0.6889	593.5963	0.6300	593.8127	0.6628	594.0303	0.5849
593.3851	0.6630	593.6014	0.6420	593.8178	0.6489	594.0355	0.6230
593.3902	0.6800	593.6066	0.6527	593.8230	0.6435	594.0406	0.6334
593.3954	0.6958	593.6118	0.6341	593.8281	0.6477	594.0458	0.6544



Table 11. High Resolution Absorption Cross Section from 588–601 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
594.0509	0.6449	594.2670	0.5867	594.4831	0.5990	594.6992	0.5514
594.0560	0.6592	594.2722	0.5724	594.4882	0.5800	594.7043	0.5248
594.0612	0.6265	594.2773	0.5670	594.4933	0.5733	594.7095	0.5668
594.0663	0.6542	594.2824	0.5848	594.4985	0.5793	594.7146	0.5349
594.0715	0.6687	594.2876	0.5964	594.5037	0.5617	594.7197	0.5468
594.0766	0.6463	594.2927	0.5901	594.5088	0.5578	594.7249	0.5549
594.0818	0.6275	594.2979	0.5889	594.5140	0.5673	594.7300	0.5744
594.0869	0.6377	594.3030	0.6116	594.5191	0.5573	594.7352	0.5697
594.0920	0.6744	594.3082	0.5904	594.5242	0.5249	594.7404	0.5756
594.0972	0.6754	594.3133	0.5895	594.5294	0.5412	594.7455	0.5815
594.1024	0.6533	594.3184	0.5891	594.5345	0.5478	594.7506	0.5859
594.1075	0.6784	594.3236	0.5930	594.5397	0.5471	594.7558	0.5687
594.1126	0.6709	594.3287	0.6007	594.5448	0.5476	594.7609	0.5609
594.1178	0.6635	594.3339	0.6140	594.5500	0.5524	594.7661	0.5634
594.1229	0.6557	594.3390	0.5947	594.5551	0.5550	594.7712	0.5817
594.1281	0.6231	594.3442	0.5779	594.5602	0.5675	594.7764	0.5938
594.1332	0.6158	594.3493	0.5732	594.5654	0.5914	594.7815	0.5767
594.1384	0.6061	594.3544	0.5641	594.5706	0.5682	594.7866	0.5927
594.1435	0.6210	594.3596	0.5863	594.5757	0.5759	594.7918	0.5798
594.1486	0.6153	594.3647	0.5908	594.5808	0.5725	594.7969	0.6052
594.1538	0.6029	594.3699	0.5642	594.5860	0.5857	594.8021	0.5721
594.1589	0.6199	594.3751	0.5815	594.5911	0.5772	594.8072	0.5814
594.1641	0.6218	594.3802	0.5641	594.5963	0.5748	594.8124	0.6083
594.1693	0.6218	594.3853	0.5731	594.6014	0.5540	594.8175	0.5915
594.1744	0.6351	594.3904	0.5396	594.6066	0.5412	594.8226	0.5943
594.1795	0.6178	594.3956	0.5568	594.6117	0.5557	594.8278	0.5820
594.1847	0.6141	594.4008	0.5467	594.6169	0.5605	594.8329	0.5781
594.1898	0.6180	594.4059	0.5515	594.6220	0.5569	594.8381	0.5561
594.1949	0.6100	594.4111	0.5552	594.6271	0.5556	594.8433	0.5635
594.2001	0.6217	594.4162	0.5409	594.6323	0.5493	594.8484	0.5757
594.2053	0.5902	594.4213	0.5590	594.6375	0.5283	594.8535	0.5693
594.2104	0.5601	594.4265	0.5698	594.6426	0.5157	594.8586	0.5676
594.2155	0.5926	594.4316	0.5506	594.6477	0.5233	594.8638	0.5628
594.2207	0.5948	594.4368	0.5547	594.6529	0.5100	594.8690	0.5682
594.2258	0.5869	594.4419	0.5529	594.6580	0.5400	594.8741	0.5491
594.2310	0.5799	594.4471	0.5715	594.6631	0.5396	594.8793	0.5585
594.2361	0.5747	594.4522	0.5671	594.6683	0.5220	594.8844	0.5439
594.2413	0.5962	594.4573	0.5712	594.6735	0.5721	594.8895	0.5458
594.2464	0.5700	594.4625	0.5705	594.6786	0.5519	594.8947	0.5533
594.2515	0.5558	594.4677	0.5812	594.6837	0.5586	594.8998	0.5488
594.2567	0.5704	594.4728	0.5902	594.6889	0.5781	594.9050	0.5332
594.2618	0.5747	594.4779	0.5911	594.6940	0.5498	594.9101	0.5509



Table 11. High Resolution Absorption Cross Section from 588-601 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
594.9153	0.5581	595.1313	0.5286	595.3475	0.5124	595.5635	0.5044
594.9204	0.5433	595.1365	0.5382	595.3526	0.5003	595.5687	0.5375
594.9255	0.5560	595.1417	0.5320	595.3577	0.4963	595.5739	0.5400
594.9307	0.5367	595.1468	0.5075	595.3629	0.4801	595.5790	0.5008
594.9359	0.5515	595.1519	0.5286	595.3680	0.4852	595.5841	0.5070
594.9410	0.5540	595.1571	0.5256	595.3732	0.4935	595.5893	0.5223
594.9462	0.5362	595.1622	0.5137	595.3783	0.4746	595.5944	0.5151
594.9513	0.5456	595.1674	0.5254	595.3835	0.4963	595.5995	0.5200
594.9564	0.5395	595.1725	0.5152	595.3886	0.4674	595.6047	0.5266
594.9615	0.5531	595.1777	0.5238	595.3937	0.5148	595.6099	0.5137
594.9667	0.5457	595.1828	0.5203	595.3989	0.5044	595.6150	0.5251
594.9719	0.5421	595.1879	0.5399	595.4041	0.5248	595.6201	0.5259
594.9770	0.5578	595.1931	0.5496	595.4092	0.4782	595.6253	0.5589
594.9822	0.5566	595.1982	0.5345	595.4144	0.5134	595.6304	0.5669
594.9873	0.5495	595.2034	0.5560	595.4195	0.4996	595.6356	0.5499
594.9924	0.5581	595.2086	0.5254	595.4246	0.5046	595.6407	0.5788
594.9976	0.5472	595.2137	0.5248	595.4297	0.4970	595.6459	0.5580
595.0027	0.5499	595.2188	0.5397	595.4349	0.4918	595.6510	0.5651
595.0079	0.5532	595.2240	0.5252	595.4401	0.5046	595.6561	0.5461
595.0130	0.5721	595.2291	0.5473	595.4452	0.5099	595.6613	0.5346
595.0182	0.5466	595.2343	0.5266	595.4504	0.5407	595.6664	0.5332
595.0233	0.5702	595.2394	0.5198	595.4555	0.5289	595.6716	0.5272
595.0284	0.5414	595.2446	0.5243	595.4606	0.5169	595.6768	0.5383
595.0336	0.5541	595.2497	0.5493	595.4658	0.5365	595.6819	0.5499
595.0388	0.5420	595.2548	0.5177	595.4709	0.5161	595.6870	0.5197
595.0439	0.5703	595.2600	0.5240	595.4761	0.4995	595.6922	0.5271
595.0490	0.5512	595.2651	0.5212	595.4812	0.4815	595.6973	0.5336
595.0542	0.5736	595.2703	0.5449	595.4864	0.4902	595.7025	0.5218
595.0593	0.5588	595.2755	0.5306	595.4915	0.4903	595.7076	0.5013
595.0645	0.5321	595.2806	0.5229	595.4966	0.4883	595.7128	0.5303
595.0696	0.5285	595.2857	0.5226	595.5018	0.4662	595.7179	0.5028
595.0748	0.5274	595.2908	0.5357	595.5070	0.4820	595.7230	0.5057
595.0799	0.5227	595.2960	0.5172	595.5121	0.4763	595.7282	0.4943
595.0851	0.5228	595.3011	0.5252	595.5172	0.4781	595.7333	0.4955
595.0902	0.5333	595.3063	0.5218	595.5224	0.4800	595.7385	0.5211
595.0953	0.5421	595.3115	0.5225	595.5275	0.5092	595.7437	0.5141
595.1005	0.5200	595.3166	0.5239	595.5327	0.4810	595.7488	0.5100
595.1057	0.4982	595.3217	0.5009	595.5378	0.5143	595.7539	0.5109
595.1108	0.5347	595.3268	0.5116	595.5430	0.5218	595.7590	0.5197
595.1159	0.5492	595.3320	0.5259	595.5481	0.5246	595.7642	0.4974
595.1211	0.5177	595.3372	0.5095	595.5533	0.5492	595.7693	0.5294
595.1262	0.5391	595.3423	0.5362	595.5584	0.5353	595.7745	0.5271



Table 11. High Resolution Absorption Cross Section from 588-601 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
595.7797	0.5269	595.9957	0.5070	596.2119	0.5523	596.4279	0.6375
595.7848	0.5407	596.0009	0.5258	596.2170	0.5527	596.4330	0.6100
595.7899	0.5324	596.0060	0.5415	596.2221	0.5714	596.4382	0.6251
595.7950	0.5273	596.0112	0.5301	596.2272	0.5864	596.4434	0.6172
595.8002	0.5431	596.0163	0.5536	596.2324	0.5894	596.4485	0.6067
595.8054	0.5319	596.0215	0.5202	596.2375	0.5595	596.4536	0.6356
595.8105	0.5660	596.0266	0.5151	596.2427	0.5517	596.4588	0.6085
595.8157	0.5667	596.0317	0.5277	596.2479	0.5759	596.4639	0.6261
595.8208	0.5488	596.0369	0.5216	596.2530	0.5761	596.4691	0.6323
595.8259	0.5631	596.0421	0.5340	596.2581	0.5926	596.4742	0.6221
595.8311	0.5440	596.0472	0.5395	596.2633	0.5589	596.4794	0.5955
595.8362	0.5455	596.0523	0.5045	596.2684	0.5619	596.4845	0.6267
595.8414	0.5398	596.0575	0.5346	596.2736	0.5880	596.4897	0.6236
595.8465	0.5426	596.0626	0.5530	596.2787	0.6027	596.4948	0.6408
595.8517	0.5270	596.0677	0.5287	596.2839	0.5892	596.4999	0.6105
595.8568	0.5356	596.0729	0.5312	596.2890	0.5947	596.5051	0.5945
595.8619	0.5290	596.0781	0.5513	596.2941	0.5994	596.5103	0.6309
595.8671	0.5229	596.0832	0.5750	596.2993	0.5694	596.5154	0.5560
595.8723	0.5180	596.0883	0.5782	596.3044	0.5989	596.5205	0.5956
595.8774	0.5455	596.0935	0.5852	596.3096	0.6009	596.5257	0.5868
595.8826	0.5420	596.0986	0.5773	596.3147	0.6113	596.5308	0.5934
595.8877	0.5357	596.1038	0.6070	596.3199	0.6286	596.5359	0.5814
595.8928	0.5047	596.1089	0.5956	596.3250	0.6358	596.5411	0.5941
595.8979	0.5094	596.1141	0.5836	596.3301	0.6369	596.5463	0.5938
595.9031	0.5114	596.1192	0.5627	596.3353	0.6518	596.5514	0.5939
595.9083	0.5133	596.1243	0.5711	596.3405	0.6151	596.5565	0.5799
595.9134	0.5212	596.1295	0.5774	596.3456	0.6118	596.5617	0.5605
595.9186	0.5151	596.1346	0.5499	596.3508	0.6370	596.5668	0.5931
595.9237	0.5401	596.1398	0.5529	596.3559	0.6004	596.5720	0.5719
595.9289	0.5412	596.1450	0.5608	596.3610	0.6112	596.5771	0.6111
595.9340	0.5610	596.1501	0.5572	596.3661	0.6224	596.5823	0.5822
595.9391	0.5475	596.1552	0.5709	596.3713	0.6262	596.5874	0.6153
595.9443	0.5535	596.1604	0.5568	596.3765	0.6603	596.5926	0.6197
595.9494	0.5733	596.1655	0.5580	596.3816	0.6696	596.5977	0.5598
595.9546	0.5573	596.1707	0.5454	596.3868	0.6370	596.6028	0.6069
595.9597	0.5559	596.1758	0.5318	596.3919	0.6453	596.6080	0.5520
595.9648	0.5539	596.1810	0.5314	596.3970	0.6331	596.6132	0.6197
595.9700	0.5612	596.1861	0.5408	596.4022	0.6583	596.6183	0.5994
595.9752	0.5287	596.1912	0.5383	596.4073	0.6377	596.6234	0.5807
595.9803	0.5242	596.1964	0.5420	596.4125	0.6463	596.6286	0.6252
595.9854	0.5549	596.2015	0.5561	596.4176	0.6522	596.6337	0.6022
595.9906	0.5480	596.2067	0.5732	596.4228	0.6356	596.6389	0.5916



Table 11. High Resolution Absorption Cross Section from 588–601 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
596.6440	0.6162	596.8601	0.6446	597.0762	0.5941	597.2923	0.5287
596.6492	0.5759	596.8652	0.6048	597.0814	0.5970	597.2974	0.5548
596.6543	0.6178	596.8704	0.6316	597.0865	0.5940	597.3026	0.5439
596.6594	0.6073	596.8755	0.5624	597.0916	0.5990	597.3077	0.5253
596.6646	0.5931	596.8807	0.5738	597.0968	0.6149	597.3129	0.5548
596.6697	0.5890	596.8858	0.5618	597.1019	0.6198	597.3180	0.5619
596.6749	0.5508	596.8910	0.5671	597.1071	0.5935	597.3232	0.5431
596.6801	0.6326	596.8961	0.5668	597.1122	0.6177	597.3283	0.5573
596.6852	0.5973	596.9012	0.5933	597.1174	0.5852	597.3334	0.5607
596.6903	0.5817	596.9064	0.5437	597.1225	0.5736	597.3386	0.5744
596.6954	0.5868	596.9116	0.5616	597.1276	0.6074	597.3438	0.5813
596.7006	0.5921	596.9167	0.5727	597.1328	0.5886	597.3489	0.5709
596.7057	0.6108	596.9219	0.5665	597.1379	0.6213	597.3540	0.5805
596.7109	0.6139	596.9270	0.5931	597.1431	0.5969	597.3592	0.5931
596.7161	0.5789	596.9321	0.5868	597.1483	0.6032	597.3643	0.5927
596.7212	0.6161	596.9373	0.5858	597.1534	0.6035	597.3694	0.6031
596.7263	0.5911	596.9424	0.5927	597.1585	0.5832	597.3746	0.5750
596.7315	0.6008	596.9476	0.5599	597.1636	0.5409	597.3798	0.5669
596.7366	0.5872	596.9527	0.5736	597.1688	0.5959	597.3849	0.5753
596.7418	0.5901	596.9579	0.5860	597.1740	0.5692	597.3901	0.5918
596.7469	0.5645	596.9630	0.5736	597.1791	0.6084	597.3952	0.5292
596.7521	0.5836	596.9681	0.5858	597.1843	0.5862	597.4003	0.5753
596.7572	0.6159	596.9733	0.5767	597.1894	0.5696	597.4055	0.5798
596.7623	0.6039	596.9785	0.5851	597.1945	0.6089	597.4106	0.5747
596.7675	0.6000	596.9836	0.5950	597.1997	0.5921	597.4158	0.5943
596.7726	0.5874	596.9887	0.5700	597.2048	0.5997	597.4209	0.5941
596.7778	0.5938	596.9939	0.5734	597.2100	0.5794	597.4261	0.6052
596.7829	0.6163	596.9990	0.5560	597.2151	0.5328	597.4312	0.6159
596.7881	0.5708	597.0042	0.5715	597.2203	0.5759	597.4363	0.6088
596.7932	0.5436	597.0093	0.5899	597.2254	0.5690	597.4415	0.5958
596.7983	0.5540	597.0145	0.5710	597.2305	0.5721	597.4467	0.5613
596.8035	0.5744	597.0196	0.5922	597.2357	0.5580	597.4518	0.6143
596.8087	0.5649	597.0247	0.5970	597.2408	0.5935	597.4569	0.6131
596.8138	0.5903	597.0299	0.5954	597.2460	0.5698	597.4621	0.6259
596.8190	0.5501	597.0350	0.5927	597.2512	0.5755	597.4672	0.5893
596.8241	0.5647	597.0402	0.6249	597.2563	0.5965	597.4724	0.5892
596.8292	0.5864	597.0453	0.6066	597.2614	0.5956	597.4775	0.5879
596.8344	0.5708	597.0505	0.6093	597.2665	0.5552	597.4827	0.6194
596.8395	0.5491	597.0556	0.5994	597.2717	0.5554	597.4878	0.5812
596.8447	0.5700	597.0608	0.6145	597.2769	0.5676	597.4929	0.5962
596.8498	0.5784	597.0659	0.5910	597.2820	0.5981	597.4981	0.6139
596.8550	0.5671	597.0710	0.6093	597.2872	0.5352	597.5032	0.6102



Table 11. High Resolution Absorption Cross Section from 588–601 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
597.5084	0.5764	597.7245	0.5780	597.9406	0.6224	598.1567	0.6003
597.5135	0.5723	597.7296	0.6048	597.9457	0.6370	598.1618	0.5263
597.5187	0.5859	597.7347	0.5965	597.9509	0.6078	598.1669	0.5649
597.5238	0.5870	597.7399	0.5910	597.9560	0.6251	598.1721	0.5951
597.5290	0.5999	597.7451	0.5732	597.9611	0.6258	598.1772	0.5906
597.5341	0.5908	597.7502	0.5868	597.9663	0.6240	598.1824	0.5760
597.5392	0.5731	597.7554	0.5690	597.9714	0.6411	598.1876	0.5695
597.5444	0.5662	597.7605	0.5749	597.9766	0.6694	598.1927	0.5770
597.5496	0.5207	597.7656	0.5860	597.9818	0.6564	598.1978	0.5491
597.5547	0.5534	597.7708	0.5650	597.9869	0.6366	598.2029	0.6029
597.5598	0.5397	597.7759	0.5974	597.9920	0.6670	598.2081	0.5734
597.5650	0.5775	597.7811	0.6027	597.9972	0.6473	598.2133	0.5714
597.5701	0.5300	597.7862	0.5932	598.0023	0.6271	598.2184	0.6148
597.5753	0.5281	597.7914	0.6220	598.0074	0.5986	598.2236	0.5897
597.5804	0.5374	597.7965	0.6204	598.0126	0.5758	598.2287	0.5864
597.5856	0.5655	597.8016	0.6218	598.0178	0.6135	598.2338	0.5727
597.5907	0.5635	597.8068	0.6386	598.0229	0.5839	598.2390	0.6038
597.5958	0.5489	597.8120	0.6575	598.0280	0.5770	598.2441	0.5591
597.6010	0.5391	597.8171	0.6192	598.0332	0.5833	598.2493	0.5347
597.6061	0.5282	597.8222	0.6222	598.0383	0.6014	598.2544	0.5681
597.6113	0.5285	597.8274	0.6257	598.0435	0.6330	598.2596	0.5767
597.6165	0.5303	597.8325	0.6112	598.0486	0.6154	598.2647	0.5564
597.6216	0.5633	597.8376	0.6391	598.0538	0.5566	598.2698	0.5670
597.6267	0.5309	597.8428	0.6265	598.0589	0.5953	598.2750	0.5655
597.6318	0.5512	597.8480	0.6477	598.0640	0.5597	598.2802	0.5707
597.6370	0.5361	597.8531	0.6376	598.0692	0.5944	598.2853	0.5923
597.6422	0.5499	597.8583	0.6500	598.0743	0.6106	598.2904	0.5684
597.6473	0.5521	597.8634	0.6494	598.0795	0.6048	598.2956	0.6025
597.6525	0.5713	597.8685	0.6360	598.0847	0.5621	598.3007	0.6054
597.6576	0.5732	597.8737	0.6121	598.0898	0.5840	598.3058	0.5960
597.6627	0.6031	597.8788	0.6334	598.0949	0.5573	598.3110	0.5964
597.6679	0.5968	597.8840	0.6045	598.1000	0.5857	598.3162	0.5893
597.6730	0.5980	597.8891	0.5937	598.1052	0.5774	598.3213	0.5944
597.6782	0.6160	597.8943	0.6379	598.1104	0.5598	598.3265	0.5617
597.6833	0.5971	597.8994	0.6026	598.1155	0.5730	598.3316	0.5580
597.6885	0.6134	597.9045	0.5953	598.1207	0.5906	598.3367	0.5719
597.6936	0.5935	597.9097	0.6110	598.1258	0.5787	598.3419	0.6111
597.6987	0.5906	597.9149	0.6356	598.1309	0.5729	598.3470	0.5810
597.7039	0.5637	597.9200	0.6230	598.1361	0.6044	598.3522	0.5589
597.7090	0.5816	597.9251	0.6393	598.1412	0.5853	598.3573	0.5555
597.7142	0.5770	597.9303	0.6135	598.1464	0.6002	598.3625	0.5616
597.7194	0.5725	597.9354	0.6427	598.1515	0.5605	598.3676	0.5751



Table 11. High Resolution Absorption Cross Section from 588–601 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
598.3727	0.5387	598.5734	0.5689	598.7740	0.6308	598.9696	0.6770
598.3779	0.5671	598.5786	0.5548	598.7792	0.6243	598.9747	0.6099
598.3831	0.5710	598.5837	0.5616	598.7844	0.5800	598.9799	0.6035
598.3882	0.6124	598.5889	0.5745	598.7895	0.5843	598.9850	0.6673
598.3933	0.5763	598.5940	0.5676	598.7947	0.5764	598.9902	0.5981
598.3985	0.5746	598.5991	0.5584	598.7998	0.5585	598.9953	0.6304
598.4036	0.5889	598.6043	0.5762	598.8049	0.5817	599.0004	0.6539
598.4088	0.5961	598.6094	0.6316	598.8101	0.5520	599.0056	0.6594
598.4139	0.5719	598.6146	0.5905	598.8152	0.5516	599.0107	0.6429
598.4191	0.5836	598.6197	0.5949	598.8204	0.5827	599.0159	0.6187
598.4242	0.5828	598.6249	0.5957	598.8255	0.5739	599.0211	0.6416
598.4293	0.5945	598.6300	0.6093	598.8307	0.5876	599.0262	0.6286
598.4345	0.6260	598.6351	0.6126	598.8358	0.6043	599.0313	0.6567
598.4396	0.5925	598.6403	0.6396	598.8409	0.5656	599.0365	0.6280
598.4448	0.6022	598.6454	0.6350	598.8461	0.5806	599.0416	0.5982
598.4500	0.6141	598.6506	0.6355	598.8513	0.5905	599.0468	0.6238
598.4551	0.5895	598.6558	0.6363	598.8564	0.5618	599.0519	0.6404
598.4602	0.5741	598.6609	0.6189	598.8615	0.6047	599.0571	0.6832
598.4654	0.5887	598.6660	0.6248	598.8667	0.6273	599.0622	0.6541
598.4705	0.5543	598.6711	0.6199	598.8718	0.6274	599.0673	0.6155
598.4756	0.5356	598.6763	0.6119	598.8770	0.5849	599.0725	0.5762
598.4808	0.5739	598.6815	0.6141	598.8821	0.5848	599.0776	0.5841
598.4860	0.5455	598.6866	0.6409	598.8873	0.6030	599.0828	0.5899
598.4911	0.5392	598.6918	0.6113	598.8924	0.6274	599.0879	0.5841
598.4962	0.5763	598.6969	0.6295	598.8976	0.5971	599.0931	0.5964
598.5014	0.5456	598.7020	0.6434	598.9027	0.6392	599.0982	0.5983
598.5065	0.5578	598.7072	0.6285	598.9078	0.6195	599.1033	0.5509
598.5117	0.5241	598.7123	0.6062	598.9130	0.6011	599.1085	0.6203
598.5168	0.5503	598.7175	0.5914	598.9182	0.5650	599.1136	0.6172
598.5220	0.5256	598.7226	0.6268	598.9233	0.5793	599.1188	0.6193
598.5271	0.5557	598.7278	0.6397	598.9284	0.6115	599.1240	0.6458
598.5322	0.5882	598.7329	0.6022	598.9336	0.6011	599.1291	0.6254
598.5374	0.5710	598.7380	0.6028	598.9387	0.6090	599.1342	0.6800
598.5425	0.5189	598.7432	0.6055	598.9438	0.6263	599.1393	0.6348
598.5477	0.5671	598.7484	0.5800	598.9490	0.6227	599.1445	0.6376
598.5529	0.5492	598.7535	0.5887	598.9542	0.6681	599.1497	0.6397
598.5580	0.5390	598.7586	0.6146	598.9593	0.6537	599.1548	0.6020
598.5631	0.5248	598.7638	0.6142	598.9644	0.6483	599.1600	0.6666
598.5683	0.5783	598.7689	0.5962				



Table 12. High Resolution Absorption Cross Section from 588-601 nm at 673K

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
588.0113	0.9457	588.2275	0.9265	588.4436	0.9563	588.6598	0.9038
588.0165	0.9533	588.2326	0.9202	588.4488	0.9681	588.6649	0.8676
588.0216	0.9128	588.2377	0.9817	588.4539	0.9406	588.6700	0.9515
588.0267	0.9736	588.2429	1.0024	588.4590	0.9392	588.6752	0.9214
588.0319	0.9433	588.2480	0.9464	588.4642	0.9516	588.6804	0.8946
588.0370	0.9303	588.2532	0.9666	588.4694	0.9789	588.6855	0.9566
588.0422	1.0058	588.2584	0.9141	588.4745	0.9557	588.6907	0.9004
588.0474	0.9917	588.2635	0.8731	588.4796	0.9448	588.6958	0.9260
588.0525	0.9528	588.2686	0.8763	588.4848	0.9109	588.7009	0.9746
588.0576	1.0230	588.2738	0.8846	588.4899	0.9476	588.7061	0.9670
588.0628	1.0173	588.2789	0.8457	588.4951	0.9468	588.7112	1.0085
588.0679	0.9915	588.2841	0.9204	588.5002	0.9000	588.7164	0.9283
588.0731	0.9765	588.2892	0.8502	588.5054	0.8970	588.7216	1.0044
588.0782	0.9153	588.2944	0.8447	588.5105	0.8658	588.7267	0.9459
588.0834	0.9379	588.2995	0.8748	588.5157	0.9500	588.7318	0.9962
588.0885	0.8532	588.3047	0.8437	588.5208	0.9408	588.7369	0.9709
588.0936	0.8663	588.3098	0.8681	588.5259	0.9121	588.7421	0.9377
588.0988	0.8709	588.3149	0.8698	588.5311	0.9789	588.7473	0.9781
588.1039	0.9102	588.3201	0.8379	588.5363	0.9248	588.7524	0.9578
588.1091	0.9241	588.3253	0.8730	588.5414	0.8724	588.7576	0.9489
588.1143	0.9649	588.3304	0.9247	588.5466	0.8493	588.7627	0.9794
588.1194	0.8989	588.3356	0.9265	588.5517	0.9292	588.7678	0.9029
588.1245	0.8901	588.3407	0.9168	588.5568	0.9988	588.7730	0.9462
588.1297	0.8609	588.3458	0.9087	588.5620	0.9367	588.7781	0.9306
588.1348	0.9074	588.3510	0.9826	588.5671	0.9762	588.7833	1.0196
588.1400	0.8717	588.3561	0.9442	588.5723	1.0358	588.7885	0.9580
588.1451	0.8699	588.3613	0.9307	588.5775	0.9785	588.7936	0.9550
588.1503	0.8899	588.3664	0.9252	588.5826	0.9452	588.7987	0.8906
588.1554	0.9118	588.3716	0.9944	588.5877	0.9441	588.8039	0.9662
588.1606	0.9194	588.3767	0.9591	588.5929	0.9904	588.8090	0.9509
588.1657	0.9811	588.3818	0.9962	588.5980	0.9195	588.8141	1.0011
588.1708	0.8912	588.3870	1.0628	588.6031	0.9516	588.8193	0.9438
588.1760	0.9060	588.3922	1.0183	588.6083	0.9255	588.8245	0.9801
588.1812	0.9111	588.3973	0.9540	588.6135	0.9840	588.8296	0.9443
588.1863	0.8859	588.4025	0.9728	588.6186	1.0137	588.8348	0.9137
588.1915	0.8758	588.4076	0.9571	588.6237	0.9591	588.8399	0.9373
588.1966	0.8841	588.4127	0.9503	588.6289	0.9506	588.8450	0.9470
588.2017	0.9078	588.4179	0.9096	588.6340	0.9325	588.8502	0.9526
588.2068	0.8269	588.4230	0.9686	588.6392	0.9716	588.8553	0.9411
588.2120	0.8727	588.4282	0.9925	588.6443	0.9365	588.8605	0.9905
588.2172	0.8924	588.4333	0.9398	588.6495	0.9446	588.8656	0.8910
588.2223	0.9393	588.4385	0.9679	588.6546	0.9035	588.8708	0.9563



Table 12. High Resolution Absorption Cross Section from 588-601 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
588.8759	0.9626	589.0921	0.9199	589.3082	0.9333	589.5244	0.9154
588.8810	0.9064	589.0972	0.9087	589.3134	0.9018	589.5295	0.9279
588.8862	0.9357	589.1024	0.9252	589.3185	0.9441	589.5347	0.9374
588.8914	0.9591	589.1075	0.9491	589.3237	0.9196	589.5398	0.9352
588.8965	0.9466	589.1127	0.9406	589.3288	0.8938	589.5450	0.9450
588.9017	1.0177	589.1178	0.9406	589.3340	0.8600	589.5501	0.9211
588.9068	0.9067	589.1230	0.9139	589.3391	0.9323	589.5552	0.9560
588.9119	0.9037	589.1281	0.9037	589.3442	0.9036	589.5604	0.9305
588.9171	0.8713	589.1332	0.9397	589.3494	0.9119	589.5656	0.9680
588.9222	0.9339	589.1384	0.9382	589.3546	0.8680	589.5707	0.9490
588.9274	0.9576	589.1436	0.8682	589.3597	0.8863	589.5759	0.9127
588.9326	0.9351	589.1487	0.8516	589.3649	0.8946	589.5810	0.9316
588.9377	0.9592	589.1538	0.8210	589.3700	0.9605	589.5861	0.9036
588.9428	0.9416	589.1590	0.8756	589.3751	0.9516	589.5913	0.9062
588.9480	0.9541	589.1641	0.8601	589.3803	0.9594	589.5964	0.9124
588.9531	0.9139	589.1693	0.8461	589.3854	0.9847	589.6016	0.9436
588.9583	0.8836	589.1744	0.8859	589.3906	0.9220	589.6068	0.9840
588.9634	0.8898	589.1796	0.8981	589.3957	0.9420	589.6119	0.9444
588.9686	0.8687	589.1847	0.9200	589.4009	0.9349	589.6170	1.0185
588.9737	0.8724	589.1899	0.8683	589.4060	0.8992	589.6222	1.0103
588.9789	0.9397	589.1950	0.9096	589.4111	0.9298	589.6273	0.9952
588.9840	0.9186	589.2001	0.8688	589.4163	1.0054	589.6324	0.8936
588.9891	0.9459	589.2053	0.8616	589.4214	1.0220	589.6376	0.9154
588.9943	0.9439	589.2104	0.9058	589.4266	1.0536	589.6428	0.9695
588.9995	0.9332	589.2156	0.8474	589.4318	1.0446	589.6479	0.9848
589.0046	0.9196	589.2208	0.8979	589.4369	1.0204	589.6531	0.9251
589.0097	0.9248	589.2259	0.8441	589.4420	1.0157	589.6582	0.9841
589.0149	0.8919	589.2310	0.8894	589.4472	0.9871	589.6633	0.9707
589.0200	0.8703	589.2362	0.8367	589.4523	0.9473	589.6685	0.9413
589.0251	0.8643	589.2413	0.8694	589.4575	0.9885	589.6736	0.9168
589.0303	0.9073	589.2465	0.9051	589.4626	0.8994	589.6788	0.9176
589.0355	0.8378	589.2516	0.8644	589.4678	0.9432	589.6839	0.9131
589.0406	0.8634	589.2568	0.8859	589.4729	0.9880	589.6891	0.9447
589.0458	0.8750	589.2619	0.8857	589.4781	1.0109	589.6942	0.9518
589.0509	0.8717	589.2670	0.8776	589.4832	0.9319	589.6993	0.9249
589.0560	0.8937	589.2722	0.9000	589.4883	0.9759	589.7045	0.9488
589.0612	0.9417	589.2773	0.9027	589.4935	0.9924	589.7097	0.8965
589.0663	0.8938	589.2825	0.8826	589.4987	0.9944	589.7148	0.8923
589.0715	0.8894	589.2877	0.8838	589.5038	0.9794	589.7200	0.9011
589.0767	0.8492	589.2928	0.7982	589.5090	1.0011	589.7251	0.9409
589.0818	0.8771	589.2979	0.9082	589.5141	0.9503	589.7302	0.9894
589.0869	0.8866	589.3031	0.9135	589.5192	0.9900	589.7354	1.0109



Table 12. High Resolution Absorption Cross Section from 588–601 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
589.7405	0.9150	589.9567	0.9156	590.1729	0.9484	590.3890	0.9600
589.7457	0.9300	589.9619	0.9267	590.1780	0.9809	590.3942	0.9120
589.7509	1.0183	589.9670	0.9305	590.1831	0.9867	590.3993	0.9823
589.7560	0.8858	589.9721	0.8901	590.1883	1.0323	590.4044	0.9341
589.7611	0.9248	589.9773	0.9499	590.1934	0.9575	590.4096	0.9161
589.7663	0.8869	589.9824	0.9466	590.1985	1.0018	590.4147	0.9487
589.7714	0.9139	589.9875	0.9790	590.2037	0.9974	590.4199	1.0442
589.7766	0.9050	589.9927	0.9256	590.2089	0.9814	590.4250	1.0053
589.7817	0.8765	589.9979	0.9343	590.2140	0.9874	590.4302	1.0264
589.7869	0.9405	590.0030	0.9614	590.2192	1.0211	590.4353	0.9942
589.7920	0.8842	590.0082	0.9449	590.2243	1.0045	590.4405	1.0029
589.7971	0.9417	590.0133	0.9729	590.2294	0.9827	590.4456	0.9848
589.8023	0.9739	590.0184	0.9872	590.2346	0.9430	590.4507	1.0254
589.8074	0.9387	590.0236	0.9469	590.2397	0.9054	590.4559	0.9757
589.8126	0.9281	590.0287	0.9187	590.2449	0.8232	590.4611	0.9807
589.8177	0.9699	590.0339	0.9726	590.2501	0.8992	590.4662	0.9660
589.8229	0.9659	590.0391	0.9195	590.2552	0.9412	590.4713	0.9843
589.8280	0.9821	590.0442	0.9441	590.2603	0.9803	590.4765	0.9753
589.8332	0.9784	590.0493	0.8739	590.2655	1.0027	590.4816	1.0469
589.8383	0.9678	590.0544	0.9645	590.2706	0.9294	590.4868	1.0475
589.8434	0.9479	590.0596	0.9230	590.2758	0.9257	590.4919	1.1012
589.8486	0.9661	590.0648	0.9425	590.2809	0.9350	590.4971	0.9945
589.8538	0.9584	590.0699	0.9782	590.2861	0.9180	590.5022	0.9895
589.8589	0.9627	590.0751	0.9220	590.2912	0.9698	590.5074	0.9803
589.8641	1.0101	590.0802	0.9606	590.2964	0.9385	590.5125	1.0183
589.8692	0.9792	590.0853	1.0125	590.3015	0.9508	590.5176	1.0337
589.8743	0.9697	590.0905	0.9848	590.3066	0.9178	590.5228	0.9539
589.8795	0.9605	590.0956	1.0077	590.3118	0.8843	590.5280	1.0247
589.8846	0.9732	590.1008	0.9837	590.3170	1.0014	590.5331	1.0396
589.8898	0.9547	590.1060	0.9723	590.3221	0.9581	590.5383	1.0868
589.8950	0.9848	590.1111	0.9712	590.3272	0.9563	590.5434	1.0437
589.9001	0.9904	590.1162	0.9322	590.3324	0.9336	590.5485	1.0286
589.9052	0.9604	590.1214	0.9516	590.3375	0.8938	590.5537	1.0445
589.9104	1.0043	590.1265	0.9465	590.3427	0.9307	590.5588	1.0962
589.9155	0.9375	590.1317	0.9631	590.3478	0.9327	590.5640	1.0835
589.9207	0.9814	590.1368	0.9914	590.3530	0.9389	590.5692	1.0271
589.9258	0.9588	590.1420	1.0073	590.3581	0.9607	590.5743	1.0437
589.9310	0.9224	590.1471	1.0216	590.3633	0.9897	590.5794	1.0042
589.9361	1.0066	590.1523	0.9911	590.3684	0.9418	590.5845	0.9959
589.9412	1.0161	590.1574	0.9893	590.3735	1.0117	590.5897	1.0239
589.9464	0.9593	590.1625	0.9832	590.3787	0.9623	590.5948	1.0424
589.9515	0.9041	590.1677	0.9736	590.3839	0.9376	590.6000	1.0114



Table 12. High Resolution Absorption Cross Section from 588-601 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
590.6052	1.0854	590.8213	1.0191	591.0375	0.9897	591.2536	0.8050
590.6103	1.0286	590.8265	0.9355	591.0426	0.9565	591.2587	0.8309
590.6154	1.0677	590.8316	0.9414	591.0477	1.0179	591.2639	0.7893
590.6206	1.0582	590.8367	0.9135	591.0529	0.9785	591.2690	0.8973
590.6257	1.0866	590.8419	0.8970	591.0580	0.9492	591.2742	0.7859
590.6309	1.1035	590.8470	0.9213	591.0632	0.9532	591.2794	0.8095
590.6360	1.0804	590.8522	0.9067	591.0684	0.9787	591.2845	0.7835
590.6412	1.1192	590.8573	0.9081	591.0735	0.9673	591.2896	0.8496
590.6463	1.0458	590.8625	0.9602	591.0786	0.9795	591.2948	0.8346
590.6515	1.0834	590.8676	0.9483	591.0838	0.9886	591.2999	0.8553
590.6566	1.0552	590.8727	1.0164	591.0889	0.9369	591.3051	0.8256
590.6617	1.0165	590.8779	0.9673	591.0941	0.8943	591.3102	0.8115
590.6669	1.0466	590.8831	1.0866	591.0992	0.9095	591.3154	0.7629
590.6721	1.0312	590.8882	1.0471	591.1044	0.7995	591.3205	0.8057
590.6772	1.0173	590.8934	0.9839	591.1095	0.9540	591.3257	0.7609
590.6824	1.0268	590.8985	1.0668	591.1146	0.8797	591.3308	0.7768
590.6875	1.0142	590.9036	0.9559	591.1198	0.8774	591.3359	0.8796
590.6926	0.9965	590.9088	0.9636	591.1249	0.9392	591.3411	0.8098
590.6978	1.0101	590.9139	0.9188	591.1301	0.9207	591.3463	0.9007
590.7029	0.9705	590.9191	0.9701	591.1353	0.8844	591.3522	0.7920
590.7081	1.0434	590.9243	0.8801	591.1404	0.8810	591.3573	0.8347
590.7132	0.9775	590.9294	0.9631	591.1455	0.9327	591.3624	0.7965
590.7184	1.0432	590.9345	0.9767	591.1507	0.9127	591.3676	0.8312
590.7235	1.0101	590.9397	0.9768	591.1558	0.8558	591.3727	0.8234
590.7286	0.9642	590.9448	1.0099	591.1609	0.8637	591.3779	0.7652
590.7338	1.0040	590.9500	0.9383	591.1661	0.8760	591.3830	0.7971
590.7390	0.9683	590.9551	0.9555	591.1713	0.9010	591.3882	0.7911
590.7441	0.9888	590.9603	0.9816	591.1764	0.9012	591.3933	0.7497
590.7493	0.9856	590.9654	1.0278	591.1816	0.9130	591.3984	0.8268
590.7544	0.9959	590.9706	0.9883	591.1867	0.8886	591.4036	0.8645
590.7595	1.0473	590.9757	1.0095	591.1918	0.8984	591.4088	0.8857
590.7647	0.9783	590.9808	0.9549	591.1970	0.8936	591.4139	0.8262
590.7698	0.9898	590.9860	0.9644	591.2021	0.8078	591.4191	0.8110
590.7750	1.0792	590.9911	0.8891	591.2073	0.9220	591.4242	0.8772
590.7802	0.9951	590.9963	0.9933	591.2125	0.8650	591.4293	0.8372
590.7853	0.9642	591.0014	1.0789	591.2176	0.8333	591.4345	0.8534
590.7904	0.9871	591.0066	0.9672	591.2227	0.8397	591.4396	0.7797
590.7956	0.9560	591.0117	0.9469	591.2279	0.8518	591.4448	0.8617
590.8007	0.9705	591.0168	1.0087	591.2330	0.8686	591.4500	0.9219
590.8058	0.9021	591.0220	0.9895	591.2382	0.8768	591.4551	0.7626
590.8110	0.9834	591.0272	1.0649	591.2433	0.8651	591.4602	0.8944
590.8162	1.0084	591.0323	0.9612	591.2485	0.7746	591.4654	0.8151



Table 12. High Resolution Absorption Cross Section from 588-601 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
591.4705	0.7556	591.6866	0.9068	591.9028	0.8869	592.1190	0.9261
591.4756	0.8594	591.6918	0.8991	591.9080	0.8729	592.1241	1.0177
591.4808	0.8122	591.6970	0.8671	591.9131	0.9052	592.1293	0.8700
591.4860	0.8015	591.7021	0.8515	591.9183	0.9551	592.1345	0.9577
591.4911	0.7536	591.7073	0.8505	591.9234	1.0053	592.1396	0.8793
591.4963	0.7906	591.7124	0.7687	591.9286	0.8599	592.1447	0.8662
591.5014	0.7624	591.7175	0.8224	591.9337	0.9320	592.1498	0.8507
591.5065	0.7780	591.7227	0.8368	591.9388	0.9023	592.1550	0.9365
591.5117	0.8653	591.7278	0.9279	591.9440	0.8764	592.1602	0.8349
591.5168	0.8187	591.7330	0.8618	591.9492	0.8843	592.1653	0.8669
591.5220	0.7995	591.7382	0.8048	591.9543	0.9854	592.1705	0.9363
591.5271	0.9021	591.7433	0.8994	591.9595	0.9449	592.1756	0.8680
591.5323	0.8051	591.7484	0.9464	591.9646	0.8369	592.1807	0.8290
591.5374	0.8709	591.7536	0.9331	591.9697	0.8937	592.1859	0.7739
591.5425	0.8424	591.7587	0.7919	591.9749	0.8217	592.1910	0.7897
591.5477	0.9984	591.7639	0.9013	591.9800	0.8637	592.1962	0.9096
591.5529	0.9459	591.7690	0.9173	591.9852	0.9280	592.2014	0.8276
591.5580	0.9244	591.7742	0.9502	591.9903	0.9295	592.2065	0.8980
591.5632	1.0069	591.7793	0.8540	591.9955	0.9478	592.2116	0.8414
591.5683	0.8788	591.7845	0.8440	592.0006	0.8937	592.2168	0.8634
591.5734	0.8774	591.7896	0.8969	592.0057	0.9456	592.2219	0.8933
591.5786	0.8062	591.7947	0.8086	592.0109	0.8713	592.2271	0.9940
591.5837	0.9200	591.7999	0.8755	592.0161	0.8561	592.2322	0.7227
591.5889	0.8678	591.8051	0.9635	592.0212	0.9588	592.2374	0.8258
591.5941	0.8991	591.8102	0.9241	592.0264	0.9281	592.2425	0.8097
591.5992	0.9209	591.8154	0.8828	592.0315	0.9669	592.2477	0.9656
591.6043	0.8931	591.8205	0.9859	592.0366	0.8317	592.2528	0.9829
591.6095	0.8567	591.8256	0.8909	592.0418	0.8331	592.2579	0.9893
591.6146	0.8638	591.8307	0.8810	592.0469	0.7745	592.2631	0.9099
591.6198	0.8433	591.8359	0.8773	592.0521	0.7576	592.2682	0.9350
591.6249	0.8582	591.8411	0.8332	592.0573	0.8479	592.2734	0.8638
591.6301	0.8738	591.8462	0.8714	592.0624	0.8462	592.2786	0.7947
591.6352	0.8522	591.8514	0.8361	592.0675	0.8172	592.2837	0.8142
591.6404	0.8289	591.8565	0.9172	592.0727	0.8210	592.2888	0.8716
591.6455	0.9567	591.8616	0.9317	592.0778	0.8734	592.2940	0.7714
591.6506	0.8550	591.8668	0.8513	592.0829	0.9044	592.2991	1.0147
591.6558	0.8850	591.8719	0.8280	592.0881	0.8032	592.3043	0.9844
591.6609	0.9449	591.8771	0.8366	592.0933	0.8442	592.3094	0.8488
591.6661	0.8491	591.8823	0.8991	592.0984	0.8865	592.3146	0.8396
591.6713	0.8656	591.8874	0.8425	592.1036	0.8740	592.3197	0.9835
591.6764	0.8318	591.8925	0.9241	592.1087	0.8423	592.3248	0.9487
591.6815	0.8174	591.8977	0.9106	592.1138	0.9185	592.3300	0.8949



Table 12. High Resolution Absorption Cross Section from 588-601 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
592.3351	0.8523	592.5513	0.7494	592.7675	0.8371	592.9836	0.8446
592.3403	0.9021	592.5565	0.7114	592.7726	0.7666	592.9888	0.9227
592.3455	0.8354	592.5616	0.7462	592.7778	0.8280	592.9939	0.8657
592.3506	0.9126	592.5668	0.7763	592.7829	0.8378	592.9991	0.8298
592.3557	0.9184	592.5719	0.7972	592.7880	0.8187	593.0042	0.8428
592.3609	0.8778	592.5770	0.7557	592.7932	0.8959	593.0093	0.7110
592.3660	0.9307	592.5822	0.8421	592.7983	0.7895	593.0145	0.8590
592.3712	0.8730	592.5873	0.7233	592.8035	0.8031	593.0197	0.7600
592.3763	0.9840	592.5925	0.8330	592.8087	0.8930	593.0248	0.8191
592.3815	0.8600	592.5977	0.8087	592.8138	0.8599	593.0300	0.8478
592.3866	0.8872	592.6028	0.8792	592.8189	0.9203	593.0351	0.8876
592.3918	0.8941	592.6079	0.8223	592.8241	0.8302	593.0402	0.9412
592.3969	0.8500	592.6130	0.7995	592.8292	0.7923	593.0454	0.9712
592.4020	1.0030	592.6182	0.8195	592.8344	0.7852	593.0505	0.9201
592.4072	1.0070	592.6234	0.8201	592.8395	0.8171	593.0557	0.8688
592.4124	0.9238	592.6285	0.8065	592.8447	0.7652	593.0609	0.8455
592.4175	0.8467	592.6337	0.8340	592.8498	0.9093	593.0660	0.8254
592.4227	0.8646	592.6388	0.8022	592.8550	0.8738	593.0711	0.8785
592.4278	0.8500	592.6439	0.8283	592.8601	0.8846	593.0762	0.8706
592.4329	0.8212	592.6491	0.7253	592.8652	0.9418	593.0814	0.8337
592.4381	0.8480	592.6542	0.7980	592.8704	0.9467	593.0865	0.8386
592.4432	0.9067	592.6594	0.7726	592.8755	0.7841	593.0917	0.9865
592.4484	0.9810	592.6646	0.7998	592.8807	0.7921	593.0969	0.8849
592.4535	0.8843	592.6697	0.8026	592.8859	0.8125	593.1020	0.9727
592.4587	0.8484	592.6748	0.8698	592.8910	0.8980	593.1071	0.9075
592.4638	0.8953	592.6800	0.9694	592.8961	0.7987	593.1123	0.8948
592.4689	0.8302	592.6851	0.9782	592.9013	0.8214	593.1174	0.8942
592.4741	0.8828	592.6902	0.9371	592.9064	0.7695	593.1226	0.9217
592.4792	0.9242	592.6954	0.9372	592.9116	0.7703	593.1277	0.9322
592.4844	0.8978	592.7006	0.9112	592.9167	0.8421	593.1329	0.9499
592.4896	0.9456	592.7057	0.9970	592.9219	0.8023	593.1380	0.8753
592.4947	0.9935	592.7109	0.8908	592.9270	0.8548	593.1432	0.9969
592.4998	0.8931	592.7160	0.7637	592.9321	0.8634	593.1483	0.9319
592.5050	0.8516	592.7211	0.8126	592.9373	0.8613	593.1534	0.8093
592.5101	0.8481	592.7263	0.7977	592.9424	0.9195	593.1586	0.8603
592.5153	0.7511	592.7314	0.8287	592.9476	0.9074	593.1638	0.7895
592.5204	0.8348	592.7366	0.8393	592.9528	0.8547	593.1689	0.8737
592.5256	0.7985	592.7418	0.8850	592.9579	0.8547	593.1741	0.9309
592.5307	0.8567	592.7469	0.8278	592.9630	0.8423	593.1792	0.9504
592.5359	0.8260	592.7520	0.8144	592.9682	0.7776	593.1843	0.8897
592.5410	0.7708	592.7572	0.7608	592.9733	0.9154	593.1895	0.8922
592.5461	0.7765	592.7623	0.8543	592.9785	0.9597	593.1946	0.8156



Table 12. High Resolution Absorption Cross Section from 588–601 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
593.1998	0.8435	593.4160	0.8036	593.6321	0.7411	593.8483	0.7503
593.2050	0.8009	593.4211	0.7956	593.6373	0.7546	593.8534	0.6950
593.2101	0.8645	593.4262	0.7606	593.6424	0.6368	593.8585	0.7820
593.2152	0.8454	593.4314	0.7266	593.6475	0.8249	593.8637	0.7087
593.2204	0.9112	593.4365	0.7835	593.6527	0.7125	593.8688	0.8417
593.2255	0.9576	593.4417	0.7070	593.6578	0.7275	593.8740	0.7852
593.2307	0.9406	593.4468	0.7708	593.6630	0.8154	593.8792	0.8086
593.2358	0.9260	593.4520	0.6979	593.6682	0.7616	593.8843	0.8355
593.2410	0.8151	593.4571	0.7453	593.6733	0.8337	593.8894	0.7961
593.2461	0.9216	593.4623	0.7224	593.6784	0.8563	593.8946	0.8904
593.2512	0.8789	593.4674	0.6824	593.6836	0.7971	593.8997	0.8158
593.2564	0.8325	593.4725	0.7261	593.6887	0.8904	593.9048	0.7952
593.2615	0.8846	593.4777	0.7705	593.6938	0.8361	593.9100	0.8271
593.2667	0.9482	593.4828	0.7770	593.6990	0.7664	593.9152	0.8404
593.2719	0.8835	593.4880	0.7239	593.7042	0.7674	593.9203	0.8085
593.2770	0.8874	593.4932	0.7996	593.7093	0.8324	593.9255	0.8003
593.2821	0.9528	593.4983	0.8814	593.7144	0.7529	593.9306	0.8379
593.2873	0.8219	593.5034	0.8925	593.7196	0.8647	593.9357	0.8713
593.2924	0.9076	593.5086	0.8287	593.7247	0.8618	593.9409	0.7657
593.2975	0.8453	593.5137	0.8556	593.7299	0.9857	593.9460	0.7430
593.3027	0.8146	593.5189	0.8226	593.7350	0.8454	593.9512	0.7603
593.3079	0.7968	593.5240	0.8124	593.7402	0.8282	593.9564	0.7732
593.3130	0.7543	593.5292	0.7756	593.7453	0.7814	593.9615	0.7745
593.3182	0.7932	593.5343	0.8303	593.7505	0.7841	593.9666	0.8138
593.3233	0.8422	593.5394	0.8283	593.7556	0.7423	593.9718	0.7492
593.3284	0.8488	593.5446	0.7941	593.7607	0.6824	593.9769	0.7662
593.3336	0.8966	593.5497	0.7514	593.7659	0.8137	593.9821	0.7877
593.3387	0.8410	593.5549	0.7151	593.7711	0.8107	593.9872	0.7348
593.3439	0.8730	593.5601	0.7679	593.7762	0.8186	593.9924	0.8821
593.3491	0.8263	593.5652	0.6711	593.7814	0.8277	593.9975	0.8383
593.3542	0.7559	593.5703	0.6984	593.7865	0.7955	594.0026	0.7948
593.3593	0.7898	593.5755	0.6973	593.7916	0.7693	594.0078	0.7797
593.3645	0.6960	593.5806	0.7501	593.7968	0.8184	594.0129	0.7483
593.3696	0.8301	593.5858	0.7415	593.8019	0.7182	594.0181	0.7337
593.3748	0.7971	593.5909	0.7493	593.8071	0.8546	594.0233	0.5866
593.3799	0.8585	593.5961	0.7335	593.8123	0.7014	594.0284	0.5921
593.3851	0.7831	593.6012	0.7238	593.8174	0.7949	594.0335	0.6775
593.3902	0.7665	593.6064	0.7839	593.8225	0.8095	594.0387	0.7873
593.3953	0.8065	593.6115	0.7743	593.8277	0.7565	594.0438	0.7428
593.4005	0.7583	593.6166	0.7786	593.8328	0.7218	594.0490	0.8050
593.4056	0.7678	593.6218	0.8342	593.8380	0.8712	594.0541	0.7224
593.4108	0.7467	593.6270	0.7817	593.8431	0.7270	594.0593	0.8488



Table 12. High Resolution Absorption Cross Section from 588-601 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
594.0644	0.8633	594.2806	0.7034	594.4967	0.7541	594.7129	0.7052
594.0696	0.6948	594.2857	0.7244	594.5019	0.6707	594.7180	0.6148
594.0747	0.7672	594.2909	0.7233	594.5070	0.6283	594.7232	0.6773
594.0798	0.7820	594.2960	0.7445	594.5121	0.6694	594.7283	0.7209
594.0850	0.8114	594.3011	0.8202	594.5173	0.6530	594.7335	0.7066
594.0901	0.8455	594.3063	0.6772	594.5225	0.6506	594.7386	0.7035
594.0953	0.8048	594.3115	0.6769	594.5276	0.6427	594.7438	0.7236
594.1005	0.7332	594.3166	0.6969	594.5328	0.6818	594.7489	0.7101
594.1056	0.8062	594.3217	0.7231	594.5379	0.6597	594.7541	0.7780
594.1107	0.8428	594.3269	0.7015	594.5430	0.6235	594.7592	0.8023
594.1159	0.8290	594.3320	0.7660	594.5482	0.6583	594.7643	0.7096
594.1210	0.8276	594.3372	0.7358	594.5533	0.6532	594.7695	0.7521
594.1262	0.8188	594.3423	0.7396	594.5585	0.7128	594.7747	0.7738
594.1313	0.6875	594.3475	0.7760	594.5637	0.7331	594.7798	0.6396
594.1365	0.6688	594.3526	0.6875	594.5688	0.6386	594.7849	0.6781
594.1416	0.7024	594.3578	0.6593	594.5739	0.6855	594.7901	0.6554
594.1468	0.6943	594.3629	0.7551	594.5791	0.6821	594.7952	0.7316
594.1519	0.7368	594.3680	0.7134	594.5842	0.6539	594.8004	0.6955
594.1570	0.6925	594.3732	0.8621	594.5894	0.7185	594.8055	0.7297
594.1622	0.7949	594.3784	0.6567	594.5945	0.6942	594.8107	0.7264
594.1674	0.8113	594.3835	0.6994	594.5997	0.7237	594.8158	0.6857
594.1725	0.7198	594.3887	0.6825	594.6048	0.6266	594.8210	0.7281
594.1776	0.7802	594.3938	0.6314	594.6100	0.7302	594.8261	0.7304
594.1828	0.7539	594.3989	0.6494	594.6151	0.6851	594.8312	0.6359
594.1879	0.7745	594.4041	0.7082	594.6202	0.6338	594.8364	0.6422
594.1931	0.8208	594.4092	0.6811	594.6254	0.6629	594.8416	0.6922
594.1982	0.7008	594.4144	0.6561	594.6306	0.7368	594.8467	0.7237
594.2034	0.7978	594.4196	0.6636	594.6357	0.5892	594.8519	0.6240
594.2085	0.7643	594.4247	0.7169	594.6408	0.6491	594.8570	0.7125
594.2137	0.7182	594.4298	0.6824	594.6460	0.6099	594.8621	0.6945
594.2188	0.6826	594.4350	0.6911	594.6511	0.6241	594.8673	0.7147
594.2239	0.7239	594.4401	0.5714	594.6563	0.7066	594.8724	0.6878
594.2291	0.7109	594.4453	0.6827	594.6614	0.6674	594.8776	0.7041
594.2343	0.7179	594.4504	0.5746	594.6666	0.6183	594.8828	0.5914
594.2394	0.7853	594.4556	0.6356	594.6717	0.6252	594.8879	0.6792
594.2446	0.7402	594.4607	0.7436	594.6769	0.6137	594.8930	0.6073
594.2497	0.7362	594.4658	0.7150	594.6820	0.6524	594.8982	0.7035
594.2548	0.7369	594.4710	0.7132	594.6871	0.6925	594.9033	0.6006
594.2600	0.7231	594.4761	0.6633	594.6923	0.6738	594.9084	0.6461
594.2651	0.7023	594.4813	0.6334	594.6974	0.5739	594.9136	0.7448
594.2703	0.7106	594.4865	0.7412	594.7026	0.6242	594.9188	0.7310
594.2755	0.7028	594.4916	0.6945	594.7078	0.6471	594.9239	0.6696



Table 12. High Resolution Absorption Cross Section from 588-601 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
594.9291	0.6581	595.1452	0.5532	595.3614	0.5815	595.5775	0.5928
594.9342	0.6382	595.1503	0.5938	595.3665	0.5671	595.5826	0.5404
594.9393	0.6996	595.1555	0.6469	595.3716	0.5987	595.5878	0.6347
594.9445	0.5846	595.1606	0.6321	595.3768	0.6104	595.5930	0.6744
594.9496	0.5861	595.1658	0.6326	595.3820	0.5308	595.5981	0.6017
594.9548	0.6975	595.1710	0.5893	595.3871	0.5896	595.6033	0.5796
594.9599	0.6920	595.1761	0.5877	595.3923	0.5547	595.6084	0.6319
594.9651	0.6679	595.1812	0.7294	595.3974	0.6572	595.6135	0.6129
594.9702	0.6362	595.1864	0.6345	595.4025	0.5697	595.6187	0.5892
594.9753	0.6003	595.1915	0.6848	595.4077	0.6042	595.6238	0.6347
594.9805	0.6624	595.1967	0.5971	595.4128	0.5234	595.6290	0.6457
594.9857	0.5970	595.2018	0.7301	595.4180	0.6082	595.6342	0.6851
594.9908	0.6967	595.2070	0.6408	595.4231	0.5644	595.6393	0.6724
594.9960	0.5884	595.2121	0.6309	595.4283	0.6379	595.6444	0.6087
595.0011	0.6694	595.2173	0.5860	595.4334	0.6494	595.6496	0.6998
595.0062	0.7229	595.2224	0.6014	595.4385	0.5777	595.6547	0.6181
595.0114	0.6168	595.2275	0.6169	595.4437	0.6148	595.6599	0.6488
595.0165	0.6763	595.2327	0.5894	595.4489	0.6554	595.6650	0.6245
595.0217	0.6122	595.2379	0.7124	595.4540	0.5677	595.6702	0.5742
595.0269	0.6683	595.2430	0.7089	595.4592	0.6731	595.6753	0.7016
595.0320	0.6493	595.2481	0.6190	595.4643	0.6019	595.6805	0.5807
595.0371	0.6673	595.2533	0.6139	595.4694	0.5807	595.6856	0.6117
595.0423	0.6824	595.2584	0.6168	595.4746	0.6213	595.6907	0.5806
595.0474	0.6189	595.2635	0.6696	595.4797	0.5637	595.6959	0.6218
595.0526	0.6132	595.2687	0.6050	595.4849	0.5379	595.7010	0.6136
595.0577	0.6550	595.2739	0.6305	595.4901	0.5162	595.7062	0.6548
595.0629	0.7140	595.2790	0.6176	595.4952	0.5864	595.7113	0.6312
595.0680	0.6232	595.2842	0.6302	595.5003	0.6160	595.7165	0.5831
595.0732	0.6307	595.2893	0.5593	595.5055	0.5348	595.7216	0.6245
595.0783	0.6289	595.2944	0.5944	595.5106	0.5732	595.7267	0.5991
595.0834	0.5674	595.2996	0.6787	595.5157	0.5619	595.7319	0.5778
595.0886	0.5265	595.3047	0.6373	595.5209	0.5981	595.7371	0.6158
595.0938	0.5747	595.3099	0.6147	595.5261	0.5514	595.7422	0.5588
595.0989	0.6732	595.3151	0.6368	595.5312	0.6181	595.7474	0.6604
595.1040	0.6057	595.3202	0.6074	595.5364	0.6497	595.7525	0.6397
595.1092	0.6051	595.3253	0.6120	595.5415	0.6043	595.7576	0.5923
595.1143	0.5707	595.3305	0.6091	595.5466	0.5757	595.7628	0.6378
595.1194	0.6200	595.3356	0.6837	595.5518	0.6128	595.7679	0.5612
595.1246	0.6043	595.3408	0.6641	595.5569	0.6121	595.7731	0.5722
595.1298	0.6432	595.3459	0.6053	595.5621	0.6311	595.7783	0.6562
595.1349	0.5734	595.3511	0.6217	595.5672	0.6233	595.7834	0.5906
595.1401	0.6342	595.3562	0.6054	595.5724	0.6809	595.7885	0.6595



Table 12. High Resolution Absorption Cross Section from 588-601 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
595.7937	0.6276	596.0091	0.6087	596.2241	0.6146	596.4390	0.7209
595.7988	0.6658	596.0142	0.5769	596.2292	0.6160	596.4442	0.7003
595.8040	0.6031	596.0193	0.6255	596.2343	0.6112	596.4493	0.6929
595.8091	0.6046	596.0245	0.5562	596.2394	0.6825	596.4544	0.6887
595.8143	0.6421	596.0296	0.6014	596.2446	0.6688	596.4595	0.7347
595.8194	0.6944	596.0347	0.5820	596.2496	0.6370	596.4646	0.7161
595.8246	0.5991	596.0399	0.6087	596.2548	0.7029	596.4697	0.7054
595.8297	0.5920	596.0449	0.6351	596.2599	0.6417	596.4749	0.6520
595.8348	0.6442	596.0500	0.6156	596.2650	0.6361	596.4800	0.6574
595.8400	0.5764	596.0552	0.6569	596.2701	0.6614	596.4851	0.6698
595.8452	0.6086	596.0603	0.6215	596.2753	0.6823	596.4902	0.6644
595.8503	0.6582	596.0654	0.6034	596.2804	0.6551	596.4953	0.6625
595.8556	0.5848	596.0706	0.5946	596.2855	0.6545	596.5004	0.6970
595.8607	0.6143	596.0756	0.5836	596.2906	0.6845	596.5056	0.7331
595.8658	0.6162	596.0807	0.6562	596.2957	0.6464	596.5107	0.7182
595.8709	0.5767	596.0859	0.6403	596.3008	0.6771	596.5158	0.6204
595.8760	0.5703	596.0910	0.6630	596.3060	0.6626	596.5209	0.5904
595.8812	0.6123	596.0961	0.6687	596.3111	0.6383	596.5260	0.6575
595.8863	0.5474	596.1013	0.6599	596.3162	0.6651	596.5311	0.5824
595.8914	0.5369	596.1064	0.6699	596.3213	0.6007	596.5363	0.6404
595.8965	0.6687	596.1115	0.6536	596.3264	0.6745	596.5414	0.6626
595.9017	0.5895	596.1166	0.6222	596.3315	0.7590	596.5465	0.7282
595.9067	0.6009	596.1217	0.6947	596.3367	0.7308	596.5516	0.6389
595.9119	0.5747	596.1268	0.6863	596.3418	0.7194	596.5568	0.6896
595.9170	0.5959	596.1320	0.6359	596.3469	0.7444	596.5618	0.7049
595.9221	0.5904	596.1371	0.6305	596.3520	0.7160	596.5670	0.6357
595.9272	0.5966	596.1422	0.6330	596.3571	0.6851	596.5721	0.6438
595.9324	0.6140	596.1473	0.6205	596.3622	0.6943	596.5772	0.6234
595.9374	0.5620	596.1524	0.6306	596.3674	0.6694	596.5823	0.7084
595.9426	0.5941	596.1575	0.7508	596.3725	0.6946	596.5875	0.6589
595.9477	0.6640	596.1627	0.6546	596.3776	0.7365	596.5925	0.6923
595.9528	0.6235	596.1678	0.6970	596.3828	0.7346	596.5977	0.6957
595.9579	0.6894	596.1729	0.6697	596.3878	0.7257	596.6028	0.6588
595.9631	0.6165	596.1780	0.6111	596.3929	0.7399	596.6079	0.6463
595.9682	0.6744	596.1831	0.5770	596.3981	0.7985	596.6130	0.6479
595.9733	0.6643	596.1882	0.6337	596.4032	0.7529	596.6182	0.6502
595.9784	0.6678	596.1934	0.6194	596.4083	0.7312	596.6233	0.6714
595.9835	0.6486	596.1985	0.6244	596.4135	0.6664	596.6284	0.6403
595.9886	0.5793	596.2036	0.6274	596.4186	0.6856	596.6335	0.6277
595.9938	0.6226	596.2087	0.6676	596.4236	0.7370	596.6386	0.7113
595.9989	0.6581	596.2138	0.6142	596.4288	0.7574	596.6437	0.7007
596.0040	0.6652	596.2189	0.6026	596.4339	0.7203	596.6489	0.7027



Table 12. High Resolution Absorption Cross Section from 588–601 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
596.6540	0.6868	596.8689	0.6885	597.0839	0.6386	597.2988	0.5492
596.6591	0.7126	596.8740	0.6669	597.0890	0.7355	597.3040	0.6550
596.6642	0.7044	596.8792	0.7004	597.0941	0.6789	597.3091	0.5969
596.6693	0.7059	596.8843	0.7015	597.0992	0.6087	597.3142	0.5669
596.6744	0.6874	596.8894	0.5982	597.1044	0.6406	597.3193	0.5588
596.6796	0.6202	596.8945	0.6107	597.1095	0.7452	597.3244	0.5523
596.6847	0.6845	596.8997	0.5850	597.1146	0.6290	597.3295	0.6636
596.6898	0.6868	596.9047	0.6354	597.1197	0.7098	597.3347	0.6598
596.6949	0.6693	596.9099	0.6537	597.1248	0.6659	597.3398	0.6259
596.7000	0.6712	596.9150	0.6624	597.1299	0.6644	597.3449	0.6377
596.7051	0.6691	596.9201	0.6542	597.1351	0.6652	597.3500	0.6539
596.7103	0.6336	596.9252	0.6661	597.1402	0.6715	597.3551	0.6735
596.7154	0.6999	596.9304	0.6193	597.1453	0.6534	597.3602	0.6868
596.7205	0.6738	596.9355	0.6286	597.1504	0.6773	597.3654	0.6740
596.7256	0.5990	596.9406	0.5766	597.1555	0.6236	597.3705	0.6276
596.7307	0.6151	596.9457	0.6179	597.1606	0.6567	597.3756	0.6664
596.7358	0.6688	596.9508	0.6589	597.1658	0.6223	597.3807	0.5844
596.7410	0.6375	596.9559	0.5846	597.1709	0.6206	597.3858	0.6585
596.7461	0.6375	596.9611	0.6518	597.1760	0.6638	597.3909	0.5251
596.7512	0.6411	596.9662	0.6763	597.1811	0.6485	597.3961	0.6118
596.7563	0.6334	596.9713	0.6136	597.1862	0.6136	597.4012	0.6317
596.7615	0.6674	596.9764	0.6025	597.1913	0.6397	597.4063	0.6820
596.7665	0.6688	596.9815	0.5772	597.1965	0.6413	597.4114	0.6610
596.7717	0.6810	596.9866	0.6089	597.2016	0.6212	597.4166	0.6530
596.7768	0.6751	596.9918	0.6424	597.2067	0.6569	597.4216	0.6467
596.7819	0.6692	596.9969	0.6217	597.2119	0.6551	597.4268	0.6642
596.7870	0.6935	597.0020	0.5782	597.2169	0.6408	597.4319	0.6284
596.7922	0.6127	597.0071	0.6715	597.2220	0.6347	597.4370	0.6743
596.7973	0.5998	597.0122	0.5906	597.2272	0.6116	597.4421	0.7154
596.8024	0.6184	597.0173	0.6007	597.2323	0.6413	597.4473	0.6709
596.8075	0.6111	597.0225	0.6050	597.2374	0.6364	597.4524	0.6810
596.8126	0.6283	597.0276	0.6776	597.2426	0.5869	597.4575	0.6696
596.8177	0.6557	597.0327	0.7335	597.2476	0.6151	597.4626	0.7215
596.8229	0.6220	597.0378	0.6915	597.2527	0.6369	597.4677	0.6395
596.8280	0.6122	597.0429	0.6426	597.2579	0.6632	597.4728	0.6852
596.8331	0.5405	597.0480	0.6648	597.2630	0.6249	597.4780	0.6267
596.8382	0.5951	597.0532	0.6783	597.2681	0.5981	597.4831	0.7358
596.8433	0.6101	597.0583	0.7158	597.2733	0.6167	597.4882	0.6706
596.8484	0.6223	597.0634	0.6969	597.2784	0.7104	597.4933	0.6695
596.8536	0.6588	597.0685	0.6854	597.2834	0.6824	597.4984	0.7603
596.8587	0.6867	597.0737	0.6485	597.2886	0.6386	597.5035	0.6515
596.8638	0.6659	597.0787	0.6410	597.2937	0.5932	597.5087	0.6358



Table 12. High Resolution Absorption Cross Section from 588–601 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
597.5138	0.5942	597.7288	0.7521	597.9437	0.7047	598.1586	0.6746
597.5189	0.6645	597.7338	0.7430	597.9488	0.7168	598.1638	0.6959
597.5240	0.6586	597.7390	0.6933	597.9539	0.7163	598.1689	0.6411
597.5291	0.6868	597.7441	0.7065	597.9590	0.6662	598.1740	0.6483
597.5342	0.6335	597.7492	0.6379	597.9642	0.7129	598.1791	0.5489
597.5394	0.5545	597.7543	0.6211	597.9693	0.6970	598.1842	0.8014
597.5445	0.5504	597.7595	0.6575	597.9744	0.7523	598.1893	0.7356
597.5496	0.5605	597.7646	0.6369	597.9795	0.9000	598.1945	0.7259
597.5547	0.6184	597.7697	0.7204	597.9846	0.7288	598.1996	0.6829
597.5598	0.6560	597.7748	0.6420	597.9897	0.7409	598.2047	0.6934
597.5649	0.6122	597.7799	0.7000	597.9949	0.7022	598.2098	0.7489
597.5701	0.5909	597.7850	0.7368	598.0000	0.6380	598.2149	0.6972
597.5752	0.6749	597.7902	0.7017	598.0051	0.6481	598.2200	0.5857
597.5803	0.7002	597.7953	0.6976	598.0102	0.5707	598.2252	0.7343
597.5854	0.6677	597.8004	0.7674	598.0153	0.5773	598.2303	0.6834
597.5906	0.6661	597.8055	0.7506	598.0204	0.7017	598.2354	0.6361
597.5956	0.6356	597.8106	0.6731	598.0256	0.6276	598.2405	0.6066
597.6008	0.5851	597.8157	0.7078	598.0307	0.7714	598.2457	0.6707
597.6059	0.5137	597.8209	0.7747	598.0358	0.7333	598.2507	0.6690
597.6110	0.6117	597.8260	0.6807	598.0409	0.6301	598.2559	0.6688
597.6161	0.6263	597.8311	0.6738	598.0460	0.5848	598.2610	0.6567
597.6213	0.6511	597.8362	0.6963	598.0511	0.7571	598.2661	0.5832
597.6264	0.7167	597.8413	0.7300	598.0563	0.5144	598.2712	0.6738
597.6315	0.6373	597.8464	0.7574	598.0614	0.6622	598.2764	0.6118
597.6366	0.6828	597.8516	0.7049	598.0665	0.7290	598.2815	0.6141
597.6417	0.6708	597.8567	0.7097	598.0717	0.5476	598.2866	0.6123
597.6469	0.6493	597.8618	0.6938	598.0767	0.6672	598.2917	0.6938
597.6520	0.7049	597.8669	0.7199	598.0818	0.6848	598.2968	0.6922
597.6571	0.6564	597.8720	0.5911	598.0870	0.5699	598.3019	0.6487
597.6622	0.7096	597.8771	0.6411	598.0921	0.7231	598.3071	0.6917
597.6673	0.6745	597.8823	0.5780	598.0972	0.6505	598.3122	0.6963
597.6724	0.6196	597.8874	0.6424	598.1024	0.6779	598.3173	0.6645
597.6776	0.6006	597.8925	0.6292	598.1075	0.6413	598.3224	0.6646
597.6827	0.7133	597.8976	0.6423	598.1125	0.6457	598.3275	0.5913
597.6878	0.7360	597.9027	0.6634	598.1177	0.7912	598.3326	0.8024
597.6929	0.6759	597.9078	0.6317	598.1228	0.6045	598.3378	0.6186
597.6980	0.6709	597.9130	0.6602	598.1279	0.6644	598.3429	0.6887
597.7031	0.6322	597.9181	0.7173	598.1331	0.6530	598.3480	0.7234
597.7083	0.6529	597.9232	0.6888	598.1382	0.6974	598.3531	0.6083
597.7134	0.6411	597.9283	0.7196	598.1433	0.6028	598.3582	0.6844
597.7185	0.6076	597.9335	0.7254	598.1484	0.6846	598.3633	0.5787
597.7236	0.6742	597.9385	0.7158	598.1535	0.4941	598.3685	0.5853



Table 12. High Resolution Absorption Cross Section from 588–601 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
598.3736	0.7089	598.5732	0.6660	598.7728	0.6669	598.9724	0.7283
598.3787	0.7340	598.5783	0.7051	598.7779	0.8570	598.9775	0.7256
598.3839	0.6335	598.5834	0.6683	598.7830	0.6528	598.9826	0.6749
598.3889	0.6408	598.5886	0.5994	598.7881	0.6909	598.9877	1.0536
598.3940	0.6362	598.5936	0.7120	598.7933	0.7036	598.9929	0.9617
598.3992	0.5959	598.5988	0.7498	598.7984	0.7500	598.9980	0.7510
598.4043	0.7640	598.6039	0.6256	598.8035	0.7045	599.0031	0.8422
598.4094	0.5752	598.6090	0.8143	598.8086	0.6613	599.0082	0.6808
598.4146	0.6736	598.6141	0.6544	598.8137	0.6800	599.0133	0.8135
598.4197	0.5191	598.6193	0.8676	598.8188	0.7388	599.0184	0.6326
598.4247	0.6732	598.6244	0.6453	598.8240	0.7228	599.0236	0.5625
598.4299	0.7158	598.6295	0.8341	598.8291	0.6500	599.0287	0.8513
598.4350	0.6588	598.6346	0.7992	598.8342	0.7476	599.0338	0.6946
598.4401	0.6047	598.6397	0.6893	598.8393	0.6387	599.0389	0.9732
598.4453	0.5501	598.6448	0.7443	598.8444	0.6701	599.0440	0.6276
598.4504	0.6546	598.6500	0.7357	598.8495	0.7694	599.0491	0.7444
598.4554	0.5619	598.6551	0.7183	598.8547	0.7646	599.0543	0.7763
598.4606	0.6692	598.6602	0.6097	598.8598	0.7963	599.0594	0.6576
598.4657	0.6399	598.6653	0.6591	598.8649	0.7571	599.0645	0.5628
598.4708	0.6330	598.6704	0.8031	598.8700	0.5153	599.0696	0.6098
598.4760	0.6207	598.6755	0.8213	598.8751	0.7801	599.0748	0.7811
598.4811	0.6838	598.6807	0.7108	598.8802	0.6310	599.0798	0.7524
598.4862	0.6002	598.6858	0.7267	598.8854	0.5562	599.0850	0.2535
598.4913	0.6704	598.6909	0.6227	598.8905	0.7836	599.0901	0.6298
598.4964	0.7265	598.6960	0.7005	598.8956	0.7338	599.0952	0.7768
598.5015	0.6709	598.7011	0.7018	598.9008	0.8859	599.1003	0.7118
598.5067	0.7457	598.7062	0.8991	598.9058	0.7134	599.1055	0.6631
598.5118	0.4798	598.7114	0.7151	598.9109	0.7402	599.1105	0.7929
598.5169	0.6543	598.7165	0.7280	598.9161	0.8819	599.1157	0.7403
598.5220	0.8058	598.7216	0.6678	598.9212	0.8030	599.1208	0.7707
598.5271	0.7174	598.7267	0.6565	598.9263	0.8109	599.1259	0.5046
598.5322	0.5256	598.7318	0.7639	598.9315	0.7255	599.1310	0.9959
598.5374	0.6982	598.7369	0.7557	598.9366	0.7371	599.1362	0.8700
598.5425	0.7035	598.7421	0.7367	598.9417	0.6905	599.1413	0.7206
598.5476	0.6096	598.7472	0.7389	598.9468	0.7942	599.1464	0.8008
598.5527	0.5719	598.7523	0.6937	598.9519	0.9876	599.1515	0.7512
598.5578	0.6041	598.7574	0.6766	598.9570	0.7858	599.1566	0.6503
598.5629	0.6063	598.7626	0.6816	598.9622	0.8420	599.1617	0.7429
598.5681	0.7847	598.7676	0.6293	598.9673	0.7673		



Table 13. High Resolution Absorption Cross Section from 603–616 nm at 296K

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
602.9808	0.0739	603.1973	0.0374	603.4139	-0.00059	603.6304	-0.01109
602.9860	0.0632	603.2025	0.0360	603.4190	0.0107	603.6356	-0.04469
602.9911	0.0856	603.2076	0.0117	603.4241	-0.00669	603.6407	0.0005
602.9963	0.0510	603.2128	0.0019	603.4293	-0.00519	603.6458	0.0073
603.0014	0.0864	603.2180	0.0081	603.4344	-0.02629	603.6510	-0.01779
603.0066	0.0857	603.2231	0.0323	603.4396	-0.01789	603.6561	-0.00649
603.0117	0.1032	603.2283	0.0159	603.4448	-0.03709	603.6613	-0.00699
603.0169	0.0688	603.2334	0.0286	603.4500	-0.02439	603.6664	-0.02869
603.0220	0.0905	603.2386	0.0176	603.4551	-0.03629	603.6716	-0.05019
603.0272	0.0789	603.2437	0.0107	603.4603	-0.03509	603.6768	-0.04709
603.0323	0.0911	603.2489	-0.00829	603.4654	-0.02159	603.6819	-0.06099
603.0375	0.0978	603.2540	0.0101	603.4706	-0.01369	603.6871	-0.02529
603.0427	0.0929	603.2592	0.0157	603.4757	-0.00589	603.6923	-0.03119
603.0479	0.0543	603.2643	0.0219	603.4809	-0.01939	603.6974	-0.01489
603.0530	0.0803	603.2695	0.0224	603.4860	-0.03169	603.7026	-0.02499
603.0581	0.0495	603.2747	0.0314	603.4911	-0.02109	603.7077	-0.03919
603.0633	0.0182	603.2798	0.0292	603.4963	-0.01529	603.7128	-0.07149
603.0684	0.0213	603.2850	0.0588	603.5015	-0.00929	603.7180	-0.03819
603.0736	0.0194	603.2901	0.0463	603.5067	-0.02359	603.7231	-0.04889
603.0787	0.0043	603.2953	0.0423	603.5118	-0.02279	603.7283	-0.05009
603.0839	0.0007	603.3004	0.0331	603.5170	-0.02889	603.7335	-0.03659
603.0891	0.0489	603.3056	0.0391	603.5221	-0.04179	603.7386	-0.02599
603.0942	0.0901	603.3107	0.0524	603.5273	-0.01669	603.7438	0.0077
603.0994	0.0623	603.3159	0.0315	603.5324	-0.04599	603.7490	-0.00349
603.1046	0.0470	603.3210	0.0327	603.5376	-0.02769	603.7541	-0.03319
603.1097	0.0699	603.3262	-0.00409	603.5427	-0.03689	603.7593	-0.05949
603.1149	0.0993	603.3314	0.0233	603.5479	-0.07469	603.7644	-0.02759
603.1200	0.0653	603.3365	0.0437	603.5530	-0.05369	603.7696	-0.02989
603.1251	0.0832	603.3417	0.0375	603.5582	-0.04339	603.7747	-0.05229
603.1303	0.0515	603.3468	0.0214	603.5634	-0.04019	603.7799	-0.05639
603.1354	0.0573	603.3520	0.0192	603.5685	-0.04199	603.7850	-0.05149
603.1406	0.0812	603.3571	0.0545	603.5737	-0.01789	603.7902	-0.04319
603.1458	0.0843	603.3623	0.0448	603.5788	-0.02969	603.7953	-0.03029
603.1509	0.0603	603.3674	0.0686	603.5840	-0.00669	603.8005	-0.04229
603.1561	0.0415	603.3726	0.0396	603.5891	-0.01889	603.8057	-0.04349
603.1613	0.0486	603.3777	0.0384	603.5943	-0.01579	603.8108	-0.01149
603.1664	0.0548	603.3829	0.0520	603.5994	-0.01949	603.8160	-0.00719
603.1716	0.0302	603.3881	0.0256	603.6046	-0.04939	603.8211	-0.02389
603.1767	0.0312	603.3932	0.0117	603.6097	-0.01149	603.8263	-0.04199
603.1819	0.0506	603.3984	-0.01649	603.6149	-0.00709	603.8314	-0.01649
603.1870	0.0355	603.4036	-0.03379	603.6201	-0.04999	603.8366	-0.00719
603.1922	0.0613	603.4087	-0.01429	603.6252	-0.03489	603.8417	-0.03179



Table 13. High Resolution Absorption Cross Section from 603–616 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
603.8469	-0.05849	604.0634	-0.01819	604.2800	-0.03139	604.4965	0.0005
603.8521	-0.02499	604.0686	-0.04209	604.2851	0.0019	604.5016	-0.01439
603.8572	-0.03159	604.0737	-0.02169	604.2903	-0.00889	604.5068	0.0084
603.8624	-0.04359	604.0789	-0.02319	604.2954	-0.02359	604.5120	0.0199
603.8675	-0.02549	604.0840	-0.04019	604.3005	-0.00599	604.5171	0.0073
603.8727	-0.03849	604.0892	-0.03149	604.3057	-0.00639	604.5222	0.0038
603.8778	-0.03649	604.0944	-0.04729	604.3109	-9e-05	604.5274	0.0202
603.8830	-0.03549	604.0995	-0.03939	604.3160	-0.00189	604.5325	0.0085
603.8881	-0.03609	604.1047	-0.03199	604.3212	-0.01039	604.5377	0.0122
603.8933	-0.02489	604.1098	-0.03679	604.3264	-0.02479	604.5428	0.0074
603.8984	-0.03169	604.1150	-0.03589	604.3315	-0.03039	604.5480	-0.00609
603.9036	-0.03049	604.1201	-0.05659	604.3367	-0.02699	604.5532	-0.02959
603.9088	-0.02469	604.1253	-0.03429	604.3418	-0.00219	604.5583	0.0004
603.9139	0.0032	604.1304	-0.04559	604.3470	-0.01709	604.5635	0.0030
603.9191	-0.00149	604.1356	-0.04689	604.3521	-0.00089	604.5687	0.0170
603.9243	0.0033	604.1407	-0.04789	604.3573	-0.00139	604.5738	0.0200
603.9294	0.0118	604.1459	-0.04629	604.3624	-0.01379	604.5790	-0.00209
603.9345	-0.00929	604.1511	-0.02319	604.3676	-0.00609	604.5841	-0.00149
603.9397	-0.01609	604.1562	-0.02039	604.3727	0.0025	604.5892	0.0084
603.9448	-0.01219	604.1614	0.0143	604.3779	-0.01969	604.5944	-0.00899
603.9500	-0.04659	604.1665	-0.01389	604.3831	-0.02929	604.5995	0.0002
603.9551	-0.01819	604.1717	-0.00989	604.3882	-0.02349	604.6047	-0.02279
603.9603	-0.03719	604.1768	-0.01819	604.3934	-0.04369	604.6099	-0.02919
603.9655	-0.01439	604.1820	-0.00239	604.3985	-0.03189	604.6151	-0.02189
603.9706	-0.03779	604.1871	-0.01229	604.4037	-0.04809	604.6202	0.0010
603.9758	-0.04709	604.1923	-0.01669	604.4088	-0.01489	604.6254	-0.00769
603.9810	-0.02039	604.1974	-0.01379	604.4140	-0.01739	604.6305	-0.02149
603.9861	-0.02049	604.2026	-0.01729	604.4191	-0.04899	604.6357	-0.00859
603.9913	0.0014	604.2078	-0.01529	604.4243	-0.00639	604.6408	-0.00879
603.9964	-0.00559	604.2130	-0.00529	604.4294	-0.04819	604.6460	0.0408
604.0016	-0.00439	604.2181	-0.02209	604.4346	-0.02279	604.6511	0.0143
604.0067	0.0029	604.2232	-0.02149	604.4398	-0.02569	604.6563	0.0032
604.0118	-0.02799	604.2284	-0.01039	604.4449	-0.03829	604.6614	-0.00189
604.0170	-0.00829	604.2335	-0.02099	604.4501	-0.01829	604.6666	0.0044
604.0222	-0.02149	604.2387	-0.02229	604.4552	-0.02239	604.6718	-0.00119
604.0273	-0.02329	604.2438	-0.00679	604.4604	-0.01859	604.6769	-0.03539
604.0325	-0.01229	604.2490	-0.01929	604.4655	-0.02459	604.6821	-0.02149
604.0377	-0.03739	604.2542	-0.03889	604.4707	-0.00399	604.6872	-0.01929
604.0428	-0.00769	604.2593	-0.01299	604.4758	0.0001	604.6924	-0.01359
604.0480	-0.01989	604.2645	-0.02829	604.4810	0.0109	604.6975	-0.02539
604.0531	-0.01789	604.2697	-0.03279	604.4861	0.0151	604.7027	-0.00469
604.0583	-0.01999	604.2748	-0.00189	604.4913	0.0029	604.7078	0.0051



Table 13. High Resolution Absorption Cross Section from 603–616 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
604.7130	0.0162	604.9295	0.0143	605.1461	0.0068	605.3625	0.0149
604.7181	0.0005	604.9347	0.0046	605.1512	0.0089	605.3677	0.0097
604.7233	0.0173	604.9398	0.0339	605.1564	-0.00019	605.3729	0.0097
604.7285	0.0060	604.9450	-0.01839	605.1615	0.0229	605.3781	0.0245
604.7336	-0.01509	604.9501	-0.00629	605.1667	0.0225	605.3832	0.0244
604.7388	-0.01449	604.9553	-0.01839	605.1718	0.0209	605.3884	0.0154
604.7439	-0.00779	604.9604	-0.00489	605.1769	0.0114	605.3935	0.0291
604.7491	0.0101	604.9656	-0.01789	605.1821	0.0069	605.3986	0.0341
604.7542	0.0203	604.9708	-0.02139	605.1873	0.0199	605.4038	0.0247
604.7594	-0.01829	604.9759	-0.01259	605.1924	0.0085	605.4089	0.0351
604.7645	-0.01199	604.9811	-0.01569	605.1976	-0.01009	605.4141	0.0514
604.7697	-0.00889	604.9862	-0.01939	605.2028	0.0075	605.4193	0.0091
604.7748	0.0083	604.9914	-0.01429	605.2079	0.0027	605.4244	0.0146
604.7800	0.0020	604.9965	0.0106	605.2131	-0.00189	605.4296	0.0196
604.7852	0.0045	605.0017	-0.01199	605.2182	-0.00059	605.4348	0.0174
604.7903	-0.00739	605.0068	0.0025	605.2234	-0.00149	605.4399	0.0625
604.7955	-0.02179	605.0120	-0.02089	605.2285	0.0013	605.4451	0.0526
604.8007	-0.01899	605.0172	-0.02549	605.2337	-0.00599	605.4502	0.0329
604.8058	-0.01119	605.0223	0.0006	605.2388	-0.00199	605.4554	0.0481
604.8109	-0.02759	605.0275	-0.01829	605.2440	0.0086	605.4605	0.0261
604.8161	-0.00829	605.0326	-0.02669	605.2491	0.0152	605.4657	0.0188
604.8212	-0.03199	605.0378	-0.01659	605.2543	0.0088	605.4708	0.0329
604.8264	-0.01849	605.0429	-0.01499	605.2595	0.0214	605.4760	0.0070
604.8315	-0.01779	605.0481	-0.00339	605.2646	0.0191	605.4811	0.0381
604.8367	-0.03649	605.0532	-0.01809	605.2698	0.0077	605.4863	0.0239
604.8419	-0.01759	605.0584	-0.00389	605.2749	0.0080	605.4915	0.0094
604.8470	-0.01989	605.0635	0.0095	605.2801	-0.00619	605.4966	0.0154
604.8522	-0.02629	605.0687	0.0547	605.2852	-0.00499	605.5018	0.0083
604.8574	-0.01439	605.0739	-0.00299	605.2904	0.0134	605.5069	-0.00179
604.8625	-0.03709	605.0790	0.0058	605.2955	0.0205	605.5121	0.0122
604.8677	-0.01919	605.0842	-0.01679	605.3007	0.0147	605.5172	0.0271
604.8728	-0.02009	605.0894	-0.00889	605.3058	0.0113	605.5224	0.0348
604.8780	-0.01209	605.0945	-0.01019	605.3110	0.0168	605.5275	0.0619
604.8831	-0.02349	605.0997	-0.01279	605.3162	0.0109	605.5327	0.0333
604.8882	-0.01249	605.1048	0.0007	605.3214	0.0428	605.5378	0.0395
604.8934	0.0011	605.1099	-0.01949	605.3265	0.0167	605.5430	0.0601
604.8986	-0.01379	605.1151	-0.00209	605.3316	0.0240	605.5482	0.0878
604.9037	-0.00179	605.1202	-0.02069	605.3368	-0.00019	605.5533	0.0387
604.9089	-0.01389	605.1254	-0.00889	605.3419	0.0003	605.5585	0.0397
604.9141	0.0250	605.1306	0.0077	605.3471	-0.00699	605.5636	0.0459
604.9192	0.0078	605.1357	0.0123	605.3522	0.0145	605.5688	0.0291
604.9244	0.0102	605.1409	0.0187	605.3574	0.0077	605.5739	0.0485



Table 13. High Resolution Absorption Cross Section from 603–616 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
605.5791	0.0303	605.7956	0.0420	606.0121	0.0040	606.2286	-0.03079
605.5842	0.0365	605.8008	0.0333	606.0173	-0.00529	606.2338	-0.00199
605.5894	0.0337	605.8059	0.0237	606.0225	0.0122	606.2390	-0.00629
605.5945	0.0339	605.8111	0.0285	606.0276	0.0203	606.2441	0.0035
605.5997	0.0165	605.8162	0.0379	606.0328	0.0112	606.2493	-0.00419
605.6049	0.0171	605.8214	0.0598	606.0379	-0.00609	606.2545	-0.01089
605.6100	0.0052	605.8265	0.0642	606.0431	-0.00359	606.2596	-0.02819
605.6152	0.0173	605.8317	0.0785	606.0482	-0.01889	606.2648	-0.03249
605.6203	0.0143	605.8369	0.0696	606.0534	-0.01739	606.2699	-0.03019
605.6255	0.0045	605.8420	0.0505	606.0585	-0.03339	606.2751	-0.03189
605.6306	0.0431	605.8472	0.0493	606.0637	-0.02179	606.2802	-0.02929
605.6358	0.0257	605.8523	0.0389	606.0688	-0.02479	606.2853	-0.01739
605.6409	0.0061	605.8575	0.0210	606.0740	-0.00189	606.2905	-0.03969
605.6461	0.0143	605.8626	0.0304	606.0792	-0.04529	606.2957	-0.03419
605.6512	0.0176	605.8678	0.0472	606.0843	-0.04399	606.3008	-0.04009
605.6564	0.0088	605.8729	0.0651	606.0895	0.0094	606.3060	-0.02459
605.6616	0.0130	605.8781	0.0646	606.0946	-0.01859	606.3112	-0.02739
605.6667	0.0036	605.8832	0.0274	606.0998	-0.02009	606.3163	-0.02829
605.6719	-0.00249	605.8884	0.0068	606.1049	0.0085	606.3215	-0.03979
605.6771	0.0280	605.8936	0.0219	606.1101	0.0064	606.3266	-0.03069
605.6822	0.0138	605.8987	0.0106	606.1152	0.0135	606.3318	-0.02459
605.6874	0.0130	605.9039	-0.00379	606.1204	-0.00489	606.3369	-0.02179
605.6925	0.0006	605.9090	-0.00519	606.1255	-0.01039	606.3421	-0.02179
605.6976	-0.00589	605.9142	-0.00199	606.1307	-0.01989	606.3472	-0.02559
605.7028	0.0044	605.9193	0.0117	606.1359	-0.02199	606.3524	-0.02319
605.7079	-0.01649	605.9245	0.0046	606.1410	-0.01089	606.3575	-0.03619
605.7131	-0.02309	605.9296	0.0067	606.1462	-0.02299	606.3627	-0.05519
605.7183	-0.01239	605.9348	0.0356	606.1513	0.0048	606.3679	-0.03029
605.7234	0.0103	605.9399	0.0197	606.1565	-0.03349	606.3730	-0.00679
605.7286	0.0069	605.9451	0.0369	606.1616	-0.02699	606.3782	-0.00749
605.7338	0.0087	605.9503	0.0051	606.1668	-0.00959	606.3833	-0.00759
605.7389	0.0208	605.9554	-0.00289	606.1719	-0.01779	606.3885	-0.02879
605.7441	0.0308	605.9606	0.0072	606.1771	-0.00959	606.3936	-0.01959
605.7492	0.0182	605.9658	0.0268	606.1823	0.0013	606.3988	-0.03659
605.7544	0.0200	605.9709	0.0049	606.1874	0.0019	606.4039	-0.03359
605.7595	0.0340	605.9761	0.0074	606.1926	-0.00599	606.4091	-0.01209
605.7646	0.0100	605.9812	-0.01709	606.1978	-0.00789	606.4142	-0.03269
605.7698	0.0203	605.9863	-0.00829	606.2029	-0.00539	606.4194	-0.05399
605.7750	0.0169	605.9915	-0.01999	606.2080	-0.01569	606.4246	-0.03059
605.7802	0.0257	605.9966	-0.03019	606.2132	-0.03719	606.4297	-0.02749
605.7853	0.0393	606.0018	-0.01819	606.2183	-0.00679	606.4349	-0.02959
605.7905	0.0645	606.0070	0.0022	606.2235	-0.02639	606.4400	-0.02769



Table 13. High Resolution Absorption Cross Section from 603–616 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
606.4452	-0.03149	606.6617	-0.01349	606.8782	-0.00399	607.0947	0.0036
606.4503	-0.03279	606.6669	-0.01679	606.8834	0.0018	607.0999	0.0075
606.4555	-0.02499	606.6720	-0.00559	606.8885	0.0082	607.1050	-0.00239
606.4606	-0.02409	606.6772	0.0127	606.8937	0.0009	607.1102	-0.01089
606.4658	-0.04109	606.6823	0.0131	606.8989	0.0133	607.1154	-0.00349
606.4709	-0.02319	606.6875	-0.00699	606.9040	-0.01369	607.1205	-0.00199
606.4761	-0.02269	606.6926	0.0042	606.9092	-0.00709	607.1257	0.0035
606.4813	-0.02079	606.6978	-0.02569	606.9143	0.0093	607.1309	-0.00429
606.4865	-0.02729	606.7029	-0.00769	606.9195	0.0162	607.1360	0.0176
606.4916	-0.01859	606.7081	-0.01309	606.9246	0.0079	607.1412	0.0010
606.4967	-0.01559	606.7133	0.0082	606.9298	0.0022	607.1463	0.0174
606.5019	-0.02699	606.7184	0.0147	606.9349	0.0043	607.1515	0.0087
606.5070	-0.02239	606.7236	0.0043	606.9401	-0.00069	607.1566	0.0061
606.5122	-0.02209	606.7287	0.0068	606.9453	0.0225	607.1617	0.0101
606.5173	-0.02189	606.7339	0.0001	606.9504	0.0045	607.1669	-0.01349
606.5225	-0.02219	606.7390	-0.00349	606.9556	0.0073	607.1721	-0.00539
606.5276	-0.02289	606.7442	-0.00649	606.9607	0.0144	607.1772	0.0007
606.5328	-0.01069	606.7493	0.0227	606.9659	0.0127	607.1824	0.0109
606.5380	-0.00489	606.7545	0.0062	606.9710	1e-05	607.1876	0.0077
606.5432	-0.02599	606.7596	0.0107	606.9762	0.0397	607.1927	-0.00569
606.5483	-0.03309	606.7648	-0.00239	606.9813	0.0165	607.1979	-0.04229
606.5535	-0.01069	606.7700	0.0103	606.9865	0.0077	607.2030	-0.03119
606.5586	-0.03099	606.7751	0.0071	606.9916	0.0024	607.2082	-0.03489
606.5638	-0.02409	606.7803	0.0041	606.9968	0.0113	607.2133	-0.02479
606.5689	-0.01539	606.7855	-0.00489	607.0020	0.0222	607.2185	-0.02229
606.5740	0.0077	606.7906	-0.01729	607.0071	0.0223	607.2236	-0.01109
606.5792	-0.02009	606.7957	-0.00609	607.0123	0.0252	607.2288	-0.02489
606.5844	-0.00499	606.8009	0.0002	607.0174	0.0165	607.2339	-0.02529
606.5895	-0.00289	606.8060	0.0122	607.0226	-0.00639	607.2391	-0.02989
606.5947	-0.00289	606.8112	-0.01159	607.0277	0.0196	607.2443	-0.03309
606.5999	-0.00429	606.8163	-0.00789	607.0329	0.0305	607.2494	-0.02179
606.6050	-0.02039	606.8215	-0.00549	607.0380	0.0344	607.2546	-0.02779
606.6102	-0.00669	606.8267	0.0065	607.0432	0.0251	607.2597	-0.01739
606.6153	-0.00809	606.8318	-0.00209	607.0483	0.0133	607.2649	-0.02809
606.6205	-0.00279	606.8370	-0.00049	607.0535	0.0096	607.2700	-0.01289
606.6256	-0.01069	606.8422	0.0011	607.0587	0.0137	607.2752	-0.03729
606.6308	-0.00519	606.8473	0.0037	607.0638	0.0147	607.2803	-0.03079
606.6359	-0.00989	606.8525	0.0027	607.0690	0.0112	607.2855	-0.02789
606.6411	-0.01919	606.8576	0.0127	607.0742	0.0230	607.2906	-0.03139
606.6462	-0.01299	606.8627	0.0209	607.0793	0.0064	607.2958	-0.02039
606.6514	-0.00409	606.8679	0.0202	607.0844	0.0153	607.3010	-0.02449
606.6566	-0.01849	606.8730	-0.00409	607.0896	0.0100	607.3061	-0.04009



Table 13. High Resolution Absorption Cross Section from 603–616 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
607.3113	-0.02399	607.5308	-0.00129	607.7469	0.0017	607.9630	0.0237
607.3164	-0.02479	607.5360	-0.00939	607.7520	-0.01009	607.9681	0.0195
607.3216	-0.02079	607.5411	0.0238	607.7572	0.0132	607.9733	0.0233
607.3267	-0.01979	607.5463	0.0114	607.7623	0.0116	607.9784	0.0368
607.3319	-0.02919	607.5514	-0.00179	607.7675	0.0081	607.9835	0.0308
607.3370	-0.01829	607.5566	-0.00959	607.7726	0.0281	607.9887	0.0030
607.3422	-0.00369	607.5617	-0.00889	607.7778	-0.00749	607.9938	0.0197
607.3508	0.0104	607.5668	-0.00799	607.7829	-0.01359	607.9990	0.0200
607.3560	-0.01889	607.5720	-0.00869	607.7880	-0.00579	608.0041	0.0174
607.3611	0.0094	607.5771	-0.01139	607.7932	-0.01739	608.0093	0.0336
607.3662	-0.01269	607.5823	-0.00279	607.7983	0.0019	608.0144	0.0276
607.3713	0.0116	607.5874	-0.00679	607.8035	-0.00949	608.0195	0.0116
607.3765	-0.00739	607.5926	-0.00679	607.8087	0.0028	608.0247	0.0351
607.3817	-0.00179	607.5977	0.0031	607.8138	0.0088	608.0298	0.0371
607.3868	-0.01659	607.6028	-0.01069	607.8189	0.0026	608.0350	0.0388
607.3920	-0.01599	607.6080	-0.01539	607.8240	0.0210	608.0401	0.0343
607.3971	-0.02729	607.6132	-0.01509	607.8292	0.0236	608.0453	0.0555
607.4022	-0.02929	607.6183	-0.00049	607.8344	0.0238	608.0504	0.0469
607.4073	-0.01199	607.6234	-0.00759	607.8395	0.0094	608.0555	0.0476
607.4125	-0.02869	607.6286	-0.02639	607.8447	0.0069	608.0607	0.0339
607.4177	-0.02449	607.6337	-0.02919	607.8498	-0.00969	608.0659	0.0113
607.4228	-0.02519	607.6389	-0.03549	607.8549	0.0039	608.0710	0.0341
607.4280	-0.02069	607.6440	-0.02299	607.8600	-0.00149	608.0761	0.0296
607.4331	-0.00129	607.6492	-0.01269	607.8652	0.0082	608.0813	0.0506
607.4382	-0.03499	607.6543	-0.00859	607.8704	0.0213	608.0864	0.0542
607.4434	-0.03139	607.6594	-0.02469	607.8755	0.0058	608.0916	0.0429
607.4485	-0.02869	607.6646	0.0011	607.8807	-0.00679	608.0967	0.0577
607.4537	-0.02029	607.6697	0.0006	607.8858	0.0169	608.1019	0.0280
607.4588	-0.01919	607.6749	0.0095	607.8909	-0.00139	608.1070	0.0258
607.4640	-0.02009	607.6801	-0.01479	607.8961	0.0067	608.1121	0.0292
607.4691	-0.00539	607.6852	0.0068	607.9012	-0.01449	608.1173	0.0215
607.4742	-0.01049	607.6903	0.0047	607.9064	0.0107	608.1224	0.0143
607.4794	0.0049	607.6954	0.0027	607.9115	0.0199	608.1276	0.0152
607.4846	-0.00919	607.7006	-0.01369	607.9167	0.0025	608.1328	0.0123
607.4897	0.0130	607.7057	0.0048	607.9218	0.0323	608.1379	0.0268
607.4948	0.0118	607.7109	0.0096	607.9269	0.0282	608.1430	0.0319
607.5000	0.0033	607.7160	-0.01619	607.9321	0.0193	608.1481	0.0074
607.5051	0.0224	607.7212	-0.00939	607.9373	0.0408	608.1533	0.0266
607.5103	0.0235	607.7263	-0.00579	607.9424	0.0335	608.1584	0.0288
607.5154	0.0091	607.7314	-0.00169	607.9475	0.0389	608.1636	0.0235
607.5206	-0.00149	607.7366	-0.00419	607.9527	0.0461	608.1687	0.0057
607.5257	-0.00409	607.7418	-0.00479	607.9578	0.0126	608.1739	0.0061



Table 13. High Resolution Absorption Cross Section from 603-616 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
608.1790	0.0414	608.3951	0.0102	608.6111	-0.00089	608.8272	-0.00119
608.1841	0.0508	608.4002	0.0146	608.6163	0.0156	608.8323	0.0067
608.1893	0.0210	608.4054	-0.01039	608.6215	0.0267	608.8375	-0.00109
608.1945	0.0159	608.4105	-0.01319	608.6266	0.0440	608.8427	0.0445
608.1996	0.0608	608.4156	-0.00599	608.6317	0.0136	608.8478	0.0343
608.2047	0.0383	608.4208	-0.00969	608.6368	0.0091	608.8529	0.0344
608.2099	0.0452	608.4260	-0.00559	608.6420	0.0175	608.8581	0.0320
608.2150	0.0654	608.4311	-0.01279	608.6472	0.0353	608.8632	-0.00329
608.2202	0.0928	608.4362	-0.02069	608.6523	0.0464	608.8683	-0.01149
608.2253	0.1006	608.4414	0.0102	608.6574	0.0455	608.8735	0.0001
608.2305	0.0928	608.4465	0.0033	608.6626	0.0624	608.8787	-0.01899
608.2356	0.0597	608.4517	0.0035	608.6677	0.0341	608.8838	0.0067
608.2407	0.0520	608.4568	0.0033	608.6729	0.0211	608.8889	-0.00319
608.2459	0.0165	608.4620	0.0193	608.6780	0.0237	608.8941	0.0152
608.2510	0.0359	608.4671	0.0022	608.6832	0.0015	608.8992	0.0053
608.2562	0.0338	608.4722	-0.01299	608.6883	0.0315	608.9044	0.0201
608.2614	0.0290	608.4774	-0.00079	608.6934	0.0414	608.9095	0.0203
608.2665	0.0123	608.4825	0.0231	608.6986	0.0420	608.9147	0.0270
608.2716	0.0251	608.4877	0.0045	608.7037	0.0611	608.9198	0.0257
608.2767	0.0206	608.4928	0.0015	608.7089	0.0364	608.9249	0.0073
608.2819	0.0123	608.4980-9e-05		608.7141	0.0253	608.9301	0.0166
608.2870	0.0212	608.5031	0.0096	608.7192	0.0145	608.9352	0.0060
608.2922	0.0228	608.5082	-0.00049	608.7243	0.0212	608.9404	0.0273
608.2974	0.0234	608.5134	-0.01089	608.7294	0.0075	608.9455	0.0033
608.3025	0.0297	608.5186	0.0011	608.7346	0.0059	608.9507	-0.00249
608.3076	0.0301	608.5237	0.0118	608.7397	0.0035	608.9558	-0.00119
608.3127	0.0141	608.5288	0.0133	608.7449	0.0031	608.9609	0.0189
608.3179	-0.00149	608.5340	0.0165	608.7501	0.0197	608.9661	0.0086
608.3231	0.0160	608.5391	0.0053	608.7552	0.0137	608.9713	-0.00259
608.3282	0.0078	608.5443	0.0040	608.7603	0.0151	608.9764	-0.00949
608.3334	0.0162	608.5494	0.0562	608.7654	0.0107	608.9815	-0.01559
608.3385	0.0177	608.5546	0.0154	608.7706	0.0135	608.9867	-0.01079
608.3436	0.0156	608.5597	0.0183	608.7758	0.0320	608.9918	-0.01309
608.3488	0.0204	608.5648	0.0066	608.7809	0.0304	608.9969	0.0031
608.3539	0.0104	608.5700	-0.01389	608.7861	0.0169	609.0021	-0.00129
608.3591	0.0135	608.5751	-0.00749	608.7912	0.0037	609.0073	0.0131
608.3642	0.0125	608.5803	0.0064	608.7963	-0.00359	609.0124	-0.00049
608.3694	0.0160	608.5854	0.0067	608.8015	-0.00889	609.0175	0.0147
608.3745	0.0215	608.5906	0.0017	608.8066	-0.01729	609.0227	0.0309
608.3796	0.0103	608.5957	0.0067	608.8118	0.0086	609.0278	-0.00249
608.3848	0.0150	608.6008	0.0206	608.8169	0.0069	609.0330	0.0079
608.3900	-0.00669	608.6060	-0.00489	608.8221	-0.01059	609.0381	-0.00189



Table 13. High Resolution Absorption Cross Section from 603–616 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
609.0433	-0.01299	609.2593	0.0281	609.4754	0.0327	609.6915	-0.00459
609.0484	-0.00779	609.2645	0.0366	609.4805	0.0132	609.6966	0.0294
609.0535	0.0125	609.2696	0.0200	609.4857	0.0088	609.7017	0.0267
609.0587	-0.00079	609.2748	0.0119	609.4908	0.0064	609.7068	0.0377
609.0638	0.0130	609.2799	0.0037	609.4960	0.0100	609.7120	0.0609
609.0690	0.0234	609.2850	0.0267	609.5011	0.0145	609.7172	0.0733
609.0742	0.0127	609.2902	0.0292	609.5062	0.0077	609.7223	0.0693
609.0793	0.0020	609.2953	0.0305	609.5114	0.0022	609.7275	0.0611
609.0844	0.0098	609.3005	0.0223	609.5165	0.0056	609.7326	0.0377
609.0895	0.0173	609.3056	0.0249	609.5217	0.0104	609.7377	0.0365
609.0947	0.0033	609.3108	0.0340	609.5269	0.0186	609.7429	0.0024
609.0999	0.0100	609.3159	0.0150	609.5320	0.0121	609.7480	0.0209
609.1050	-0.00029	609.3210	0.0171	609.5371	-0.00909	609.7532	-0.01659
609.1102	0.0017	609.3262	0.0339	609.5422	0.0087	609.7583	-0.00849
609.1153	-0.00429	609.3314	0.0335	609.5474	0.0054	609.7635	0.0095
609.1204	-0.00669	609.3365	0.0348	609.5526	-0.00039	609.7686	0.0125
609.1255	0.0036	609.3416	0.0243	609.5577	0.0172	609.7737	0.0012
609.1307	0.0173	609.3468	0.0301	609.5629	0.0152	609.7789	-0.01009
609.1359	0.0316	609.3519	0.0187	609.5680	0.0229	609.7841	-0.00709
609.1410	0.0095	609.3571	0.0232	609.5731	0.0243	609.7892	0.0189
609.1461	0.0119	609.3622	0.0194	609.5782	0.0158	609.7943	0.0048
609.1513	0.0045	609.3674	0.0126	609.5834	0.0074	609.7995	0.0060
609.1564	0.0148	609.3725	0.0024	609.5886	-0.00039	609.8046	-0.00609
609.1616	-0.00029	609.3776	0.0219	609.5937	0.0152	609.8098	-0.01269
609.1667	0.0155	609.3828	0.0148	609.5989	0.0154	609.8149	0.0148
609.1719	0.0232	609.3879	0.0120	609.6040	0.0131	609.8201	0.0089
609.1770	0.0253	609.3931	0.0015	609.6091	0.0076	609.8252	0.0030
609.1821	0.0176	609.3982	0.0011	609.6143	0.0016	609.8303	0.0237
609.1873	0.0332	609.4034	0.0165	609.6194	0.0042	609.8355	0.0338
609.1924	0.0435	609.4085	0.0362	609.6246	-0.02149	609.8406	0.0299
609.1976	0.0204	609.4136	0.0461	609.6297	0.0124	609.8458	0.0094
609.2028	0.0259	609.4188	0.0371	609.6348	0.0193	609.8509	0.0014
609.2079	-0.00299	609.4240	0.0311	609.6400	0.0045	609.8561	-0.00779
609.2130	0.0007	609.4291	0.0094	609.6451	0.0253	609.8612	0.0162
609.2181	-0.01469	609.4342	0.0116	609.6503	0.0084	609.8663	0.0279
609.2233	0.0019	609.4394	0.0489	609.6555	-0.00159	609.8715	0.0092
609.2285	0.0117	609.4445	0.0339	609.6606	0.0004	609.8766	0.0445
609.2336	0.0135	609.4496	0.0213	609.6657	0.0099	609.8818	0.0119
609.2388	0.0065	609.4548	0.0046	609.6708	0.0121	609.8869	-0.00269
609.2439	-0.00519	609.4600	0.0061	609.6760	0.0004	609.8921	0.0115
609.2490	0.0201	609.4651	0.0109	609.6812	0.0047	609.8972	0.0015
609.2542	0.0295	609.4702	0.0243	609.6863	0.0176	609.9023	0.0208



Table 13. High Resolution Absorption Cross Section from 603–616 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
609.9075	0.0074	610.1235	0.0055	610.3396	0.0133	610.5557	0.0327
609.9127	0.0015	610.1287	0.0240	610.3448	0.0023	610.5609	0.0085
609.9178	0.0157	610.1339	0.0223	610.3499	0.0188	610.5660	0.0190
609.9229	0.0257	610.1390	0.0201	610.3550	0.0449	610.5711	0.0187
609.9281	0.0067	610.1442	0.0062	610.3602	0.0257	610.5762	0.0445
609.9332	-0.00849	610.1493	0.0250	610.3654	0.0237	610.5814	0.0115
609.9384	0.0070	610.1544	0.0244	610.3705	0.0114	610.5865	0.0172
609.9435	0.0245	610.1595	0.0001	610.3756	0.0375	610.5917	0.0038
609.9487	0.0441	610.1647	0.0059	610.3808	0.0629	610.5969	0.0122
609.9538	0.0277	610.1699	-0.00499	610.3859	0.0626	610.6020	0.0224
609.9589	0.0332	610.1750	0.0121	610.3911	0.0452	610.6071	0.0329
609.9641	0.0356	610.1802	0.0135	610.3962	0.0258	610.6122	0.0445
609.9692	0.0341	610.1853	0.0024	610.4014	0.0271	610.6174	0.0387
609.9744	0.0243	610.1904	-0.00859	610.4065	0.0359	610.6226	0.0272
609.9796	0.0342	610.1956	0.0053	610.4116	0.0358	610.6277	0.0395
609.9847	0.0249	610.2007	0.0143	610.4168	0.0137	610.6329	0.0190
609.9898	0.0110	610.2059	-0.00879	610.4219	0.0203	610.6380	0.0341
609.9949	0.0217	610.2110	0.0002	610.4271	0.0068	610.6431	0.0187
610.0001	-0.00759	610.2162	-0.00349	610.4323	0.0079	610.6483	0.0286
610.0052	0.0230	610.2213	0.0207	610.4374	0.0068	610.6534	0.0120
610.0104	0.0115	610.2264	0.0090	610.4425	0.0212	610.6586	0.0244
610.0156	0.0194	610.2316	0.0122	610.4476	0.0208	610.6637	0.0297
610.0207	0.0159	610.2368	-0.00759	610.4528	0.0255	610.6689	0.0377
610.0258	0.0168	610.2419	0.0043	610.4579	0.0246	610.6740	0.0195
610.0309	0.0241	610.2470	-0.00939	610.4631	0.0527	610.6791	0.0491
610.0361	0.0279	610.2522	-0.00469	610.4683	0.0591	610.6843	0.0196
610.0413	0.0298	610.2573	0.0052	610.4734	0.0717	610.6895	0.0271
610.0464	0.0277	610.2625	0.0014	610.4785	0.0303	610.6946	0.0218
610.0516	0.0154	610.2676	0.0144	610.4836	0.0233	610.6997	0.0317
610.0567	0.0034	610.2728	-0.00269	610.4888	0.0275	610.7049	0.0278
610.0618	0.0034	610.2779	0.0348	610.4940	0.0077	610.7100	0.0074
610.0670	0.0246	610.2830	0.0169	610.4991	0.0120	610.7151	0.0085
610.0721	0.0196	610.2882	0.0333	610.5043	0.0215	610.7203	0.0256
610.0773	0.0348	610.2933	0.0500	610.5094	0.0113	610.7255	0.0194
610.0824	0.0187	610.2985	0.0532	610.5145	0.0102	610.7306	0.0170
610.0875	0.0174	610.3036	0.0172	610.5197	0.0120	610.7357	0.0190
610.0927	0.0222	610.3088	0.0376	610.5248	0.0182	610.7409	0.0081
610.0978	0.0044	610.3139	0.0243	610.5300	0.0158	610.7460	0.0230
610.1030	-0.00119	610.3190	0.0152	610.5351	0.0259	610.7512	0.0412
610.1082	0.0089	610.3242	0.0062	610.5403	0.0142	610.7563	0.0359
610.1133	0.0165	610.3293	0.0201	610.5454	0.0232	610.7615	0.0319
610.1184	0.0182	610.3345	0.0130	610.5505	0.0274	610.7666	0.0481



Table 13. High Resolution Absorption Cross Section from 603–616 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
610.7717	0.0234	610.9878	0.0368	611.2039	0.0712	611.4199	0.1198
610.7769	-0.00299	610.9930	0.0362	611.2090	0.0681	611.4250	0.1071
610.7820	0.0136	610.9981	0.0497	611.2142	0.0957	611.4302	0.0851
610.7872	-0.00919	611.0032	0.0742	611.2193	0.0551	611.4354	0.1120
610.7923	-0.00819	611.0084	0.0653	611.2244	0.0869	611.4405	0.1309
610.7975	0.0231	611.0135	0.0718	611.2296	0.1084	611.4457	0.0771
610.8026	0.0212	611.0187	0.0675	611.2347	0.0877	611.4508	0.0658
610.8077	0.0479	611.0238	0.0440	611.2399	0.1115	611.4559	0.0732
610.8129	0.0090	611.0290	0.0665	611.2450	0.1000	611.4611	0.0836
610.8181	0.0268	611.0341	0.0658	611.2502	0.1112	611.4662	0.0928
610.8232	0.0198	611.0392	0.0540	611.2553	0.1077	611.4714	0.1191
610.8283	0.0197	611.0444	0.0608	611.2604	0.1201	611.4765	0.1659
610.8335	0.0179	611.0496	0.0340	611.2656	0.1387	611.4817	0.1846
610.8386	-0.01539	611.0547	0.0479	611.2708	0.1657	611.4868	0.1770
610.8438	-0.00689	611.0598	0.0698	611.2759	0.1163	611.4919	0.1483
610.8489	-0.01839	611.0649	0.0724	611.2810	0.1710	611.4971	0.1706
610.8541	-0.00539	611.0701	0.0682	611.2862	0.0987	611.5023	0.1201
610.8592	0.0037	611.0753	0.0621	611.2913	0.1020	611.5074	0.0822
610.8643	0.0097	611.0804	0.0621	611.2964	0.1084	611.5125	0.0921
610.8695	0.0099	611.0856	0.0697	611.3016	0.1412	611.5177	0.1321
610.8746	0.0006	611.0907	0.0509	611.3068	0.1082	611.5228	0.1627
610.8798	0.0086	611.0958	0.0874	611.3119	0.0840	611.5280	0.1687
610.8849	0.0113	611.1010	0.0972	611.3170	0.1059	611.5331	0.1601
610.8901	0.0497	611.1061	0.0927	611.3222	0.1290	611.5383	0.1335
610.8952	0.0307	611.1113	0.0608	611.3273	0.1209	611.5434	0.1657
610.9003	0.0298	611.1164	0.0767	611.3325	0.0846	611.5485	0.1250
610.9055	0.0165	611.1216	0.0880	611.3376	0.0880	611.5536	0.1393
610.9106	0.0316	611.1267	0.0763	611.3428	0.0967	611.5588	0.1227
610.9158	0.0300	611.1318	0.0544	611.3479	0.1021	611.5640	0.1314
610.9210	0.0334	611.1370	0.0643	611.3530	0.1250	611.5691	0.1284
610.9261	0.0289	611.1422	0.0809	611.3582	0.0851	611.5743	0.1495
610.9312	0.0298	611.1473	0.0439	611.3633	0.1247	611.5794	0.1868
610.9363	0.0247	611.1524	0.0598	611.3685	0.1258	611.5845	0.2174
610.9415	0.0231	611.1576	0.0817	611.3737	0.1389	611.5897	0.2334
610.9467	0.0247	611.1627	0.0690	611.3788	0.1474	611.5948	0.1731
610.9518	0.0507	611.1678	0.0644	611.3839	0.1443	611.6000	0.1408
610.9570	0.0528	611.1730	0.0766	611.3890	0.1014	611.6051	0.1826
610.9621	0.0496	611.1782	0.0985	611.3942	0.0972	611.6103	0.1426
610.9672	0.0417	611.1833	0.1294	611.3994	0.0969	611.6154	0.1327
610.9724	0.0424	611.1884	0.0983	611.4045	0.0918	611.6205	0.1659
610.9775	0.0523	611.1936	0.0707	611.4097	0.0852	611.6257	0.1715
610.9827	0.0486	611.1987	0.0680	611.4148	0.1184	611.6309	0.2097



Table 13. High Resolution Absorption Cross Section from 603-616 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
611.6360	0.1943	611.8496	0.1536	612.0658	0.2045	612.2819	0.2180
611.6411	0.2173	611.8547	0.1822	612.0709	0.1896	612.2871	0.2164
611.6463	0.2531	611.8599	0.2109	612.0760	0.1683	612.2922	0.2041
611.6514	0.2903	611.8651	0.2668	612.0812	0.1410	612.2974	0.1916
611.6566	0.2746	611.8702	0.1864	612.0864	0.1394	612.3026	0.2286
611.6617	0.2183	611.8753	0.1756	612.0915	0.1680	612.3077	0.2509
611.6669	0.2077	611.8805	0.1369	612.0967	0.2276	612.3128	0.3039
611.6720	0.1914	611.8856	0.1215	612.1018	0.2773	612.3180	0.2950
611.6771	0.1863	611.8907	0.1343	612.1069	0.2417	612.3231	0.3678
611.6823	0.2044	611.8959	0.1360	612.1121	0.2162	612.3282	0.4059
611.6874	0.1896	611.9011	0.1755	612.1172	0.2007	612.3334	0.3736
611.6926	0.1837	611.9062	0.1797	612.1224	0.1627	612.3386	0.2335
611.6977	0.2436	611.9114	0.1881	612.1276	0.1102	612.3437	0.2480
611.7029	0.2312	611.9165	0.2039	612.1327	0.1407	612.3489	0.2800
611.7080	0.2410	611.9216	0.2001	612.1378	0.1483	612.3540	0.2217
611.7131	0.1916	611.9268	0.1976	612.1430	0.2574	612.3591	0.2849
611.7183	0.1874	611.9319	0.1464	612.1481	0.1754	612.3643	0.2860
611.7234	0.2508	611.9371	0.1732	612.1533	0.2200	612.3694	0.3694
611.7286	0.2313	611.9423	0.1971	612.1584	0.2503	612.3746	0.3887
611.7337	0.2490	611.9474	0.1922	612.1636	0.1929	612.3798	0.4416
611.7389	0.2630	611.9525	0.1524	612.1687	0.2574	612.3849	0.3360
611.7440	0.2115	611.9577	0.1551	612.1739	0.2887	612.3900	0.3436
611.7491	0.1618	611.9628	0.1940	612.1790	0.2782	612.3952	0.3548
611.7543	0.1599	611.9680	0.2564	612.1841	0.4749	612.4003	0.3680
611.7595	0.1860	611.9731	0.2130	612.1893	0.3462	612.4055	0.3834
611.7646	0.1916	611.9783	0.2075	612.1945	0.2398	612.4106	0.3876
611.7697	0.1369	611.9834	0.1905	612.1996	0.1930	612.4158	0.3082
611.7749	0.1793	611.9886	0.2217	612.2048	0.1649	612.4209	0.2874
611.7800	0.1590	611.9937	0.2170	612.2099	0.1810	612.4261	0.2753
611.7852	0.1561	611.9988	0.1464	612.2150	0.2375	612.4312	0.2891
611.7903	0.1866	612.0040	0.1749	612.2202	0.2297	612.4363	0.2815
611.7955	0.2381	612.0092	0.1592	612.2253	0.2145	612.4415	0.3223
611.8006	0.2120	612.0143	0.1827	612.2305	0.2420	612.4467	0.2865
611.8057	0.2336	612.0195	0.1919	612.2357	0.1812	612.4518	0.2650
611.8109	0.2583	612.0246	0.1975	612.2408	0.2369	612.4570	0.2839
611.8160	0.1908	612.0297	0.1844	612.2459	0.3113	612.4621	0.3153
611.8212	0.1726	612.0349	0.2566	612.2511	0.3270	612.4672	0.3371
611.8264	0.1863	612.0400	0.2396	612.2562	0.3668	612.4724	0.2873
611.8315	0.1803	612.0452	0.1518	612.2614	0.2131	612.4775	0.2851
611.8366	0.1710	612.0504	0.1291	612.2665	0.1859	612.4827	0.2812
611.8417	0.1820	612.0555	0.1497	612.2717	0.2108	612.4879	0.2358
611.8444	0.1504	612.0606	0.1714	612.2768	0.2357	612.4930	0.2640



Table 13. High Resolution Absorption Cross Section from 603–616 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
612.4981	0.3114	612.7143	0.3519	612.9305	0.3972	613.1467	0.2805
612.5033	0.3626	612.7195	0.3195	612.9356	0.5337	613.1518	0.3146
612.5084	0.3503	612.7246	0.4208	612.9408	0.4662	613.1570	0.3017
612.5135	0.2715	612.7297	0.3769	612.9459	0.3736	613.1621	0.3315
612.5187	0.1993	612.7349	0.3097	612.9510	0.2989	613.1672	0.2220
612.5239	0.2727	612.7401	0.2673	612.9562	0.3914	613.1724	0.2173
612.5290	0.2289	612.7452	0.3438	612.9614	0.3660	613.1776	0.2419
612.5342	0.2178	612.7504	0.3873	612.9665	0.3891	613.1827	0.3222
612.5393	0.2350	612.7555	0.4593	612.9717	0.4078	613.1879	0.2892
612.5444	0.2975	612.7606	0.4252	612.9768	0.4200	613.1930	0.2517
612.5496	0.2908	612.7658	0.4518	612.9819	0.3025	613.1981	0.2119
612.5547	0.3260	612.7709	0.4756	612.9871	0.3397	613.2033	0.2164
612.5599	0.3505	612.7761	0.5362	612.9922	0.3393	613.2084	0.2436
612.5651	0.2600	612.7813	0.4730	612.9974	0.3549	613.2136	0.1972
612.5702	0.2266	612.7864	0.4521	613.0026	0.3901	613.2188	0.2260
612.5753	0.2642	612.7915	0.3922	613.0077	0.4758	613.2239	0.1557
612.5805	0.2074	612.7966	0.3770	613.0128	0.4217	613.2290	0.1565
612.5856	0.2085	612.8018	0.4099	613.0180	0.2965	613.2342	0.2411
612.5908	0.2855	612.8069	0.3638	613.0231	0.3043	613.2393	0.2599
612.5959	0.2554	612.8121	0.3891	613.0283	0.3251	613.2444	0.2375
612.6011	0.2592	612.8173	0.4120	613.0334	0.3349	613.2496	0.2460
612.6062	0.2670	612.8224	0.4297	613.0386	0.3971	613.2548	0.2264
612.6114	0.3086	612.8275	0.5406	613.0437	0.3962	613.2599	0.2681
612.6165	0.3050	612.8327	0.7379	613.0489	0.2758	613.2651	0.2694
612.6216	0.3194	612.8378	0.6071	613.0540	0.2732	613.2702	0.2508
612.6268	0.2341	612.8430	0.4869	613.0591	0.2369	613.2753	0.1762
612.6320	0.1983	612.8481	0.3806	613.0643	0.2869	613.2805	0.1893
612.6371	0.2309	612.8533	0.3070	613.0695	0.3023	613.2856	0.2189
612.6423	0.2517	612.8584	0.3941	613.0746	0.3902	613.2908	0.1898
612.6474	0.2653	612.8636	0.3922	613.0798	0.3748	613.2960	0.2016
612.6525	0.3329	612.8687	0.4464	613.0849	0.3161	613.3011	0.1903
612.6577	0.3526	612.8738	0.4452	613.0900	0.2433	613.3062	0.1843
612.6628	0.3771	612.8790	0.4468	613.0952	0.2649	613.3113	0.1665
612.6680	0.2592	612.8842	0.4653	613.1003	0.2376	613.3165	0.1779
612.6732	0.2591	612.8893	0.4492	613.1055	0.2816	613.3217	0.1881
612.6783	0.3175	612.8945	0.4481	613.1107	0.3435	613.3268	0.1915
612.6834	0.2785	612.8996	0.4299	613.1158	0.3360	613.3320	0.1713
612.6886	0.2991	612.9047	0.3580	613.1209	0.2294	613.3371	0.1789
612.6937	0.2146	612.9099	0.3593	613.1261	0.1957	613.3422	0.1597
612.6989	0.2156	612.9150	0.4485	613.1312	0.1890	613.3474	0.1860
612.7040	0.3061	612.9202	0.3313	613.1364	0.2052	613.3525	0.1771
612.7092	0.3591	612.9254	0.4205	613.1415	0.2520	613.3577	0.1686



Table 13. High Resolution Absorption Cross Section from 603–616 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
613.3629	0.1966	613.5790	0.1502	613.7952	0.1852	614.0114	0.1747
613.3680	0.1994	613.5842	0.1645	613.8004	0.2440	614.0165	0.2065
613.3731	0.2018	613.5893	0.1822	613.8055	0.2196	614.0217	0.2395
613.3783	0.2218	613.5945	0.1415	613.8107	0.1380	614.0268	0.2816
613.3834	0.2386	613.5996	0.1636	613.8158	0.1286	614.0320	0.2736
613.3885	0.1911	613.6047	0.2113	613.8209	0.1659	614.0371	0.2997
613.3937	0.1884	613.6099	0.2048	613.8261	0.1672	614.0422	0.2525
613.3989	0.1064	613.6151	0.1586	613.8312	0.1657	614.0474	0.2159
613.4040	0.1566	613.6202	0.2336	613.8364	0.1802	614.0526	0.2031
613.4092	0.1570	613.6254	0.1795	613.8415	0.1577	614.0577	0.2009
613.4143	0.2151	613.6305	0.1675	613.8467	0.1948	614.0629	0.2040
613.4194	0.1957	613.6356	0.1521	613.8518	0.1616	614.0680	0.1934
613.4246	0.1451	613.6408	0.1485	613.8569	0.1689	614.0731	0.1653
613.4297	0.1445	613.6459	0.1341	613.8621	0.1654	614.0783	0.1840
613.4349	0.1599	613.6511	0.1397	613.8672	0.1509	614.0834	0.2223
613.4401	0.1579	613.6563	0.1270	613.8724	0.1418	614.0886	0.2990
613.4452	0.1723	613.6614	0.1293	613.8776	0.1576	614.0938	0.2025
613.4503	0.1058	613.6665	0.1175	613.8827	0.1273	614.0989	0.2147
613.4555	0.1097	613.6717	0.1450	613.8878	0.1647	614.1040	0.1953
613.4606	0.1379	613.6768	0.1517	613.8930	0.1731	614.1092	0.1705
613.4658	0.1797	613.6819	0.1884	613.8981	0.1813	614.1143	0.2144
613.4709	0.2153	613.6871	0.1735	613.9033	0.1368	614.1194	0.2571
613.4761	0.2005	613.6923	0.2191	613.9084	0.1720	614.1246	0.2193
613.4812	0.2249	613.6974	0.1654	613.9136	0.2096	614.1298	0.1822
613.4864	0.2355	613.7026	0.1838	613.9187	0.1531	614.1349	0.1858
613.4915	0.2061	613.7077	0.1611	613.9239	0.1353	614.1401	0.2136
613.4966	0.1819	613.7128	0.1997	613.9290	0.1400	614.1452	0.1805
613.5018	0.1924	613.7180	0.1707	613.9341	0.1809	614.1503	0.1514
613.5070	0.2271	613.7231	0.1792	613.9393	0.1624	614.1555	0.1585
613.5121	0.1710	613.7283	0.1545	613.9445	0.1368	614.1606	0.1697
613.5173	0.2344	613.7335	0.1471	613.9496	0.1465	614.1658	0.1384
613.5224	0.2088	613.7386	0.1893	613.9548	0.1656	614.1710	0.1226
613.5275	0.1340	613.7437	0.2231	613.9599	0.1736	614.1761	0.1258
613.5327	0.1123	613.7489	0.2204	613.9650	0.1764	614.1812	0.1185
613.5378	0.1393	613.7540	0.1802	613.9702	0.1920	614.1864	0.1538
613.5430	0.1802	613.7592	0.1929	613.9753	0.1991	614.1915	0.1386
613.5482	0.1633	613.7643	0.1799	613.9805	0.1912	614.1967	0.1069
613.5533	0.1430	613.7695	0.2149	613.9857	0.1322	614.2018	0.1503
613.5584	0.1813	613.7746	0.1777	613.9908	0.1248	614.2070	0.1462
613.5636	0.1560	613.7798	0.1836	613.9959	0.1793	614.2121	0.1333
613.5687	0.1270	613.7849	0.1793	614.0011	0.2051	614.2173	0.1413
613.5739	0.1662	613.7900	0.1708	614.0062	0.1749	614.2224	0.1194



Table 13. High Resolution Absorption Cross Section from 603-616 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
614.2275	0.1074	614.4437	0.2361	614.6599	0.1214	614.8761	0.1409
614.2327	0.1078	614.4489	0.2010	614.6650	0.1636	614.8812	0.1089
614.2379	0.1426	614.4540	0.1639	614.6702	0.1037	614.8864	0.1344
614.2430	0.1595	614.4592	0.1320	614.6754	0.1366	614.8915	0.1533
614.2482	0.1279	614.4643	0.1593	614.6805	0.1304	614.8967	0.1439
614.2533	0.1221	614.4695	0.1735	614.6857	0.1628	614.9018	0.1543
614.2584	0.1209	614.4746	0.1953	614.6908	0.1629	614.9070	0.0780
614.2636	0.1360	614.4797	0.1880	614.6959	0.1372	614.9121	0.0769
614.2687	0.1217	614.4849	0.2209	614.7011	0.1586	614.9172	0.1065
614.2739	0.1094	614.4901	0.1668	614.7062	0.1811	614.9224	0.1590
614.2791	0.1252	614.4952	0.1528	614.7114	0.1866	614.9276	0.1297
614.2842	0.1374	614.5004	0.2018	614.7166	0.1901	614.9327	0.1023
614.2893	0.1307	614.5055	0.1491	614.7217	0.1575	614.9379	0.1100
614.2945	0.1294	614.5106	0.1450	614.7268	0.1323	614.9430	0.0905
614.2996	0.1220	614.5158	0.2100	614.7320	0.1769	614.9481	0.0981
614.3047	0.1695	614.5209	0.2065	614.7371	0.1600	614.9533	0.1348
614.3099	0.1305	614.5261	0.1894	614.7422	0.2127	614.9584	0.0922
614.3151	0.1479	614.5313	0.1895	614.7474	0.1305	614.9636	0.1051
614.3202	0.1253	614.5364	0.1852	614.7526	0.1338	614.9688	0.1376
614.3254	0.1686	614.5415	0.1245	614.7577	0.0890	614.9739	0.1035
614.3305	0.1508	614.5467	0.1563	614.7629	0.1207	614.9790	0.1209
614.3356	0.1180	614.5518	0.1655	614.7680	0.1042	614.9842	0.0950
614.3408	0.1069	614.5569	0.1284	614.7731	0.1111	614.9893	0.1137
614.3459	0.1777	614.5621	0.1733	614.7783	0.1272	614.9944	0.1590
614.3511	0.1617	614.5673	0.1222	614.7834	0.1339	614.9996	0.1123
614.3563	0.1850	614.5724	0.1234	614.7886	0.1207	615.0048	0.1028
614.3614	0.1257	614.5776	0.1240	614.7938	0.1324	615.0099	0.0615
614.3665	0.1386	614.5827	0.1639	614.7989	0.1152	615.0151	0.0790
614.3716	0.1428	614.5878	0.1224	614.8040	0.1207	615.0202	0.1178
614.3768	0.1638	614.5930	0.1190	614.8092	0.1437	615.0253	0.0790
614.3820	0.1807	614.5981	0.1593	614.8143	0.1554	615.0305	0.1018
614.3871	0.1934	614.6033	0.1626	614.8195	0.1625	615.0356	0.0951
614.3923	0.1591	614.6085	0.1356	614.8246	0.1433	615.0408	0.1143
614.3974	0.1421	614.6136	0.0848	614.8298	0.1227	615.0460	0.1357
614.4025	0.1988	614.6187	0.0990	614.8349	0.0668	615.0511	0.1282
614.4077	0.1790	614.6239	0.1167	614.8401	0.1160	615.0562	0.1275
614.4128	0.1501	614.6290	0.1516	614.8452	0.1313	615.0614	0.1322
614.4180	0.1323	614.6342	0.1450	614.8503	0.1323	615.0665	0.1614
614.4232	0.1358	614.6393	0.1302	614.8555	0.1062	615.0717	0.1069
614.4283	0.1787	614.6445	0.1371	614.8607	0.1129	615.0768	0.1021
614.4334	0.1743	614.6496	0.1220	614.8658	0.1232	615.0820	0.1026
614.4386	0.2287	614.6548	0.1203	614.8710	0.1452	615.0871	0.1146



Table 13. High Resolution Absorption Cross Section from 603–616 nm at 296K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
615.0923	0.0974	615.3085	0.1546	615.5246	0.1565	615.7408	0.1573
615.0974	0.1438	615.3136	0.1064	615.5298	0.1355	615.7460	0.1691
615.1025	0.1286	615.3187	0.0820	615.5349	0.1614	615.7511	0.1550
615.1077	0.1267	615.3239	0.1497	615.5400	0.1951	615.7562	0.1810
615.1129	0.1588	615.3290	0.0995	615.5452	0.1937	615.7614	0.1849
615.1180	0.1003	615.3342	0.1266	615.5504	0.2349	615.7665	0.2074
615.1232	0.0924	615.3394	0.1149	615.5555	0.2022	615.7717	0.2263
615.1283	0.1497	615.3445	0.1219	615.5607	0.1735	615.7769	0.2064
615.1334	0.1575	615.3496	0.1172	615.5658	0.1454	615.7820	0.2001
615.1386	0.1151	615.3548	0.1291	615.5709	0.1447	615.7871	0.1564
615.1437	0.1240	615.3599	0.1813	615.5761	0.1314	615.7923	0.1893
615.1489	0.1331	615.3651	0.1873	615.5812	0.1079	615.7974	0.2145
615.1541	0.1118	615.3702	0.1635	615.5864	0.1200	615.8026	0.2024
615.1592	0.1267	615.3754	0.1348	615.5916	0.1296	615.8077	0.2697
615.1643	0.1740	615.3805	0.1228	615.5967	0.1133	615.8129	0.2655
615.1695	0.1399	615.3857	0.1242	615.6018	0.1353	615.8180	0.2797
615.1746	0.1388	615.3908	0.1412	615.6070	0.1151	615.8232	0.1821
615.1797	0.1451	615.3959	0.1507	615.6121	0.1271	615.8283	0.1886
615.1849	0.1544	615.4011	0.1243	615.6172	0.1351	615.8334	0.2003
615.1901	0.1383	615.4063	0.1270	615.6224	0.1484	615.8386	0.2312
615.1952	0.1310	615.4114	0.1442	615.6276	0.1075	615.8438	0.2420
615.2004	0.0853	615.4166	0.1043	615.6327	0.1646	615.8489	0.2333
615.2055	0.1095	615.4217	0.1199	615.6379	0.1613	615.8541	0.2224
615.2106	0.1396	615.4268	0.1120	615.6430	0.1330	615.8592	0.2329
615.2158	0.1476	615.4319	0.1336	615.6481	0.1529	615.8643	0.2330
615.2209	0.1033	615.4371	0.1678	615.6533	0.1603	615.8695	0.1639
615.2261	0.1127	615.4423	0.1845	615.6584	0.1691	615.8746	0.1769
615.2313	0.0666	615.4474	0.1655	615.6636	0.1273	615.8798	0.2020
615.2364	0.0897	615.4526	0.1560	615.6688	0.1180	615.8849	0.1724
615.2415	0.0859	615.4577	0.1733	615.6739	0.1359	615.8901	0.2086
615.2467	0.1147	615.4628	0.1309	615.6790	0.0983	615.8952	0.1779
615.2518	0.1423	615.4680	0.1451	615.6842	0.1174	615.9004	0.1533
615.2570	0.0854	615.4731	0.1121	615.6893	0.1306	615.9055	0.1827
615.2621	0.1321	615.4783	0.1229	615.6945	0.1393	615.9106	0.2050
615.2673	0.0956	615.4835	0.1333	615.6996	0.1401	615.9158	0.2116
615.2724	0.1152	615.4886	0.1722	615.7048	0.1510	615.9210	0.1963
615.2776	0.1556	615.4937	0.1668	615.7099	0.1292	615.9261	0.2157
615.2827	0.1257	615.4989	0.1544	615.7151	0.1348	615.9313	0.1870
615.2878	0.1448	615.5040	0.1766	615.7202	0.1765	615.9364	0.2407
615.2930	0.1573	615.5092	0.1446	615.7253	0.2318	615.9415	0.1964
615.2982	0.1000	615.5143	0.1428	615.7305	0.1990	615.9467	0.1850
615.3033	0.1613	615.5195	0.1385	615.7357	0.1615	615.9518	0.1539



**Table 13. High Resolution Absorption Cross Section from 603–616 nm at 296K (cont'd)**

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
615.9570	0.2080	616.0239	0.2323	616.0856	0.2071	616.1474	0.1679
615.9621	0.1945	616.0291	0.1922	616.0908	0.2200	616.1526	0.2094
615.9673	0.2431	616.0342	0.2484	616.0959	0.2503	616.1577	0.1702
615.9724	0.2165	616.0393	0.2421	616.1011	0.2268	616.1628	0.2054
615.9775	0.1984	616.0445	0.1919	616.1063	0.2289	616.1680	0.2173
615.9827	0.2034	616.0496	0.1958	616.1114	0.2475	616.1732	0.2026
615.9879	0.1895	616.0547	0.1526	616.1165	0.2471	616.1783	0.2090
615.9930	0.1997	616.0599	0.1800	616.1217	0.1886	616.1835	0.1921
615.9982	0.2159	616.0651	0.1968	616.1268	0.1458	616.1886	0.2324
616.0033	0.2381	616.0702	0.1825	616.1320	0.1580	616.1937	0.1836
616.0084	0.2132	616.0754	0.2068	616.1371	0.1965	616.1989	0.2221
616.0136	0.2308	616.0805	0.1734	616.1423	0.1942	616.2040	0.2574
616.0187	0.2075						



Table 14. High Resolution Absorption Cross Section from 603-616 nm at 573K

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
604.9964	0.1256	605.2132	0.1659	605.4301	0.1479	605.6469	0.1398
605.0015	0.1502	605.2184	0.1592	605.4352	0.1525	605.6521	0.1561
605.0067	0.1544	605.2236	0.1743	605.4404	0.1608	605.6572	0.1407
605.0118	0.1330	605.2287	0.1685	605.4456	0.1515	605.6624	0.1059
605.0170	0.1404	605.2339	0.1343	605.4507	0.1519	605.6675	0.1290
605.0222	0.1483	605.2390	0.1463	605.4559	0.1589	605.6727	0.1636
605.0273	0.1204	605.2442	0.1390	605.4611	0.1486	605.6779	0.1318
605.0325	0.1143	605.2494	0.1436	605.4662	0.1613	605.6830	0.1573
605.0377	0.1479	605.2545	0.1506	605.4714	0.1520	605.6882	0.1340
605.0428	0.1139	605.2597	0.1272	605.4766	0.1534	605.6934	0.1518
605.0480	0.1484	605.2648	0.1562	605.4817	0.1621	605.6985	0.1408
605.0532	0.1376	605.2700	0.1594	605.4869	0.1659	605.7037	0.1471
605.0583	0.1339	605.2752	0.1292	605.4920	0.1511	605.7089	0.1582
605.0635	0.1627	605.2803	0.1228	605.4972	0.1606	605.7141	0.1795
605.0687	0.1712	605.2855	0.1549	605.5024	0.1129	605.7192	0.1691
605.0738	0.1541	605.2906	0.1485	605.5075	0.1298	605.7244	0.1522
605.0790	0.1336	605.2958	0.1479	605.5127	0.1479	605.7296	0.1627
605.0842	0.1411	605.3010	0.1492	605.5178	0.1474	605.7347	0.1814
605.0893	0.1246	605.3062	0.1532	605.5230	0.1698	605.7399	0.1902
605.0945	0.1463	605.3113	0.1611	605.5281	0.1655	605.7450	0.1597
605.0996	0.1503	605.3165	0.1801	605.5333	0.1796	605.7502	0.1466
605.1048	0.1513	605.3217	0.1844	605.5385	0.1876	605.7553	0.1483
605.1100	0.1335	605.3268	0.1833	605.5436	0.1707	605.7605	0.1726
605.1151	0.1409	605.3320	0.1705	605.5488	0.1849	605.7657	0.1304
605.1203	0.1469	605.3372	0.1505	605.5540	0.1780	605.7708	0.1365
605.1254	0.1381	605.3423	0.1584	605.5591	0.1486	605.7760	0.1682
605.1306	0.1622	605.3475	0.1527	605.5643	0.1688	605.7811	0.2020
605.1358	0.1203	605.3526	0.1780	605.5695	0.1821	605.7863	0.2000
605.1409	0.1539	605.3578	0.1492	605.5746	0.1818	605.7915	0.1794
605.1461	0.1366	605.3630	0.1693	605.5798	0.1805	605.7966	0.1878
605.1512	0.1486	605.3681	0.1509	605.5850	0.1641	605.8018	0.1477
605.1564	0.1518	605.3733	0.1502	605.5901	0.1432	605.8069	0.1558
605.1616	0.1605	605.3784	0.1374	605.5953	0.1654	605.8121	0.1548
605.1667	0.1641	605.3836	0.1543	605.6005	0.1476	605.8173	0.1700
605.1719	0.1648	605.3888	0.1541	605.6056	0.1633	605.8224	0.1846
605.1771	0.1655	605.3939	0.1485	605.6108	0.1533	605.8276	0.1915
605.1823	0.1530	605.3991	0.1442	605.6160	0.1330	605.8328	0.1975
605.1874	0.1653	605.4042	0.1620	605.6211	0.1786	605.8380	0.1669
605.1926	0.1207	605.4094	0.1262	605.6263	0.1737	605.8431	0.1747
605.1978	0.1469	605.4146	0.1549	605.6314	0.1609	605.8483	0.1781
605.2029	0.1661	605.4197	0.1366	605.6366	0.1484	605.8535	0.1893
605.2081	0.1400	605.4249	0.1580	605.6417	0.1334	605.8586	0.1843



Table 14. High Resolution Absorption Cross Section from 603- 616 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum nm	Cross Section $10^{-19}$ cm <sup>2</sup>
605.8638	0.1713	606.0806	0.1486	606.2974	0.1380	606.5143	0.1468
605.8689	0.1567	606.0858	0.1330	606.3026	0.1386	606.5195	0.1427
605.8741	0.1853	606.0909	0.1612	606.3078	0.1446	606.5246	0.1493
605.8793	0.1444	606.0961	0.1369	606.3129	0.1555	606.5298	0.1642
605.8844	0.1562	606.1013	0.1246	606.3181	0.1588	606.5350	0.1696
605.8896	0.1540	606.1064	0.1323	606.3232	0.1629	606.5401	0.1640
605.8947	0.1495	606.1116	0.1500	606.3284	0.1499	606.5453	0.1672
605.8999	0.1368	606.1168	0.1620	606.3336	0.1469	606.5504	0.1635
605.9051	0.1556	606.1219	0.1815	606.3387	0.1538	606.5556	0.1719
605.9102	0.1315	606.1271	0.1609	606.3439	0.1745	606.5608	0.1631
605.9154	0.1538	606.1323	0.1441	606.3491	0.1700	606.5659	0.1536
605.9205	0.1241	606.1374	0.1359	606.3542	0.1468	606.5711	0.1406
605.9257	0.1138	606.1426	0.1543	606.3594	0.1602	606.5762	0.1512
605.9309	0.1207	606.1477	0.1522	606.3646	0.1637	606.5814	0.1798
605.9360	0.1417	606.1529	0.1506	606.3698	0.1412	606.5866	0.1697
605.9412	0.1392	606.1581	0.1519	606.3749	0.1712	606.5917	0.1758
605.9464	0.1302	606.1632	0.1399	606.3801	0.1805	606.5969	0.1809
605.9515	0.1459	606.1684	0.1387	606.3853	0.1461	606.6021	0.1902
605.9567	0.1448	606.1735	0.1349	606.3904	0.1549	606.6072	0.1707
605.9619	0.1601	606.1787	0.1358	606.3956	0.1625	606.6124	0.1710
605.9670	0.1703	606.1838	0.1528	606.4007	0.1693	606.6176	0.1624
605.9722	0.1773	606.1890	0.1301	606.4059	0.1732	606.6227	0.1810
605.9774	0.1578	606.1942	0.1382	606.4110	0.1552	606.6279	0.1759
605.9825	0.1527	606.1993	0.1680	606.4162	0.1127	606.6331	0.1771
605.9877	0.1324	606.2045	0.1368	606.4214	0.1404	606.6382	0.1805
605.9929	0.1371	606.2097	0.1317	606.4265	0.1577	606.6434	0.1639
605.9980	0.1390	606.2148	0.1282	606.4317	0.1417	606.6486	0.1611
606.0032	0.1327	606.2200	0.1372	606.4368	0.1332	606.6537	0.1334
606.0083	0.1259	606.2252	0.1195	606.4420	0.1350	606.6589	0.1244
606.0135	0.1366	606.2303	0.1354	606.4472	0.1500	606.6640	0.1665
606.0187	0.1685	606.2355	0.1564	606.4523	0.1588	606.6692	0.1720
606.0238	0.1482	606.2407	0.1390	606.4575	0.1556	606.6744	0.1679
606.0290	0.1459	606.2458	0.1697	606.4626	0.1496	606.6795	0.1551
606.0341	0.1258	606.2510	0.1456	606.4678	0.1674	606.6847	0.1699
606.0393	0.1233	606.2562	0.1359	606.4730	0.1535	606.6898	0.1649
606.0445	0.1175	606.2613	0.1282	606.4781	0.1395	606.6950	0.1786
606.0496	0.1448	606.2665	0.1034	606.4833	0.1493	606.7002	0.1854
606.0548	0.1256	606.2717	0.1118	606.4885	0.1367	606.7053	0.1833
606.0599	0.1466	606.2768	0.1175	606.4937	0.1649	606.7105	0.1799
606.0651	0.1545	606.2820	0.1361	606.4988	0.1447	606.7156	0.1655
606.0703	0.1586	606.2871	0.1364	606.5040	0.1589	606.7208	0.1774
606.0754	0.1060	606.2923	0.1290	606.5092	0.1575	606.7260	0.1643



Table 14. High Resolution Absorption Cross Section from 603–616 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
606.7311	0.1684	606.9480	0.1836	607.1649	0.1785	607.3810	0.1805
606.7363	0.1436	606.9532	0.1803	607.1700	0.1699	607.3861	0.1960
606.7415	0.1656	606.9583	0.1931	607.1752	0.1625	607.3913	0.1576
606.7466	0.1672	606.9635	0.1748	607.1804	0.1669	607.3964	0.1476
606.7518	0.1389	606.9686	0.1887	607.1855	0.1733	607.4016	0.1680
606.7570	0.1721	606.9738	0.1655	607.1907	0.1409	607.4067	0.1522
606.7621	0.1663	606.9789	0.1894	607.1958	0.1576	607.4119	0.1730
606.7673	0.1905	606.9841	0.1692	607.2010	0.1803	607.4171	0.1551
606.7725	0.1887	606.9893	0.1903	607.2061	0.1403	607.4222	0.1586
606.7776	0.1679	606.9944	0.1903	607.2113	0.1770	607.4273	0.1913
606.7828	0.1833	606.9996	0.1787	607.2165	0.1662	607.4325	0.1616
606.7880	0.1743	607.0048	0.1988	607.2216	0.1602	607.4376	0.1744
606.7931	0.1708	607.0099	0.1825	607.2268	0.1492	607.4428	0.1779
606.7983	0.1779	607.0151	0.1921	607.2319	0.1564	607.4479	0.1567
606.8034	0.1629	607.0203	0.1968	607.2371	0.1646	607.4531	0.1538
606.8086	0.1696	607.0255	0.1572	607.2423	0.1587	607.4583	0.1551
606.8138	0.1603	607.0306	0.1938	607.2474	0.1626	607.4634	0.1393
606.8189	0.1556	607.0358	0.1632	607.2526	0.1581	607.4686	0.1643
606.8241	0.1735	607.0410	0.1780	607.2578	0.1608	607.4737	0.1595
606.8292	0.1673	607.0461	0.1639	607.2629	0.1769	607.4788	0.1562
606.8344	0.1700	607.0513	0.1773	607.2681	0.1541	607.4840	0.1820
606.8396	0.1847	607.0564	0.1769	607.2733	0.1633	607.4891	0.1759
606.8447	0.1622	607.0616	0.1958	607.2784	0.1324	607.4943	0.1696
606.8499	0.1775	607.0668	0.2015	607.2836	0.1282	607.4995	0.1933
606.8550	0.1738	607.0719	0.1846	607.2888	0.1595	607.5046	0.1813
606.8602	0.2064	607.0771	0.1485	607.2939	0.1647	607.5098	0.1807
606.8654	0.2029	607.0822	0.1639	607.2991	0.1597	607.5149	0.1827
606.8705	0.1966	607.0874	0.1580	607.3043	0.1383	607.5200	0.1673
606.8757	0.1799	607.0925	0.1673	607.3094	0.1443	607.5252	0.1874
606.8809	0.1959	607.0977	0.1906	607.3146	0.1658	607.5303	0.1676
606.8860	0.1945	607.1029	0.1590	607.3197	0.1571	607.5355	0.1840
606.8912	0.2060	607.1080	0.1648	607.3249	0.1425	607.5406	0.1745
606.8964	0.1889	607.1132	0.1594	607.3301	0.1498	607.5458	0.1588
606.9016	0.1914	607.1183	0.1667	607.3352	0.1446	607.5510	0.1533
606.9067	0.1965	607.1235	0.1550	607.3404	0.1526	607.5561	0.1602
606.9119	0.1516	607.1287	0.1788	607.3455	0.1838	607.5612	0.1564
606.9170	0.1702	607.1339	0.1606	607.3507	0.1684	607.5664	0.1740
606.9222	0.1977	607.1390	0.1782	607.3559	0.1809	607.5715	0.1841
606.9274	0.1890	607.1442	0.1709	607.3610	0.1772	607.5767	0.1420
606.9325	0.1874	607.1494	0.1622	607.3655	0.1656	607.5818	0.1604
606.9377	0.1633	607.1545	0.1543	607.3707	0.1765	607.5870	0.1473
606.9428	0.1892	607.1597	0.1612	607.3759	0.1934	607.5922	0.1555



Table 14. High Resolution Absorption Cross Section from 603–616 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
607.5973	0.1675	607.8136	0.1781	608.0299	0.1624	608.2462	0.1886
607.6024	0.1763	607.8187	0.1816	608.0351	0.1707	608.2514	0.1872
607.6076	0.1799	607.8239	0.1802	608.0402	0.1848	608.2565	0.2105
607.6127	0.1924	607.8290	0.2065	608.0453	0.1923	608.2617	0.1894
607.6179	0.1956	607.8342	0.1907	608.0505	0.1891	608.2668	0.2146
607.6230	0.1888	607.8394	0.1938	608.0557	0.1849	608.2720	0.2165
607.6282	0.1713	607.8445	0.1967	608.0608	0.1834	608.2771	0.2165
607.6334	0.1687	607.8497	0.1934	608.0660	0.1770	608.2823	0.2227
607.6385	0.1666	607.8548	0.1921	608.0711	0.1706	608.2874	0.2005
607.6436	0.1649	607.8600	0.2202	608.0763	0.1889	608.2926	0.2009
607.6488	0.1653	607.8651	0.1797	608.0814	0.1766	608.2977	0.1992
607.6539	0.1786	607.8702	0.1816	608.0865	0.1860	608.3029	0.2146
607.6591	0.1588	607.8754	0.1842	608.0917	0.1668	608.3080	0.1947
607.6642	0.1770	607.8806	0.1750	608.0969	0.1634	608.3132	0.1966
607.6694	0.1586	607.8857	0.1870	608.1020	0.1694	608.3184	0.1818
607.6746	0.1656	607.8909	0.1975	608.1072	0.1716	608.3235	0.1901
607.6797	0.1687	607.8960	0.1942	608.1123	0.1951	608.3286	0.1906
607.6849	0.1590	607.9012	0.1750	608.1175	0.1938	608.3338	0.1904
607.6900	0.1649	607.9063	0.1897	608.1226	0.1804	608.3389	0.1838
607.6951	0.1690	607.9114	0.1896	608.1277	0.1979	608.3441	0.1961
607.7003	0.1586	607.9166	0.1959	608.1329	0.2008	608.3492	0.2111
607.7054	0.1718	607.9218	0.2067	608.1381	0.1866	608.3544	0.2067
607.7106	0.1705	607.9269	0.1904	608.1432	0.1815	608.3596	0.1808
607.7158	0.1653	607.9321	0.2045	608.1484	0.2041	608.3647	0.1794
607.7209	0.1593	607.9372	0.2007	608.1535	0.1858	608.3698	0.1903
607.7261	0.1576	607.9424	0.2068	608.1587	0.1868	608.3750	0.1987
607.7312	0.1723	607.9475	0.2076	608.1638	0.1754	608.3801	0.1934
607.7363	0.1675	607.9526	0.1998	608.1689	0.1655	608.3853	0.1777
607.7415	0.1504	607.9578	0.2094	608.1741	0.1813	608.3904	0.1779
607.7466	0.1669	607.9630	0.1986	608.1793	0.1897	608.3956	0.1818
607.7518	0.1679	607.9681	0.2011	608.1844	0.1936	608.4008	0.1666
607.7570	0.1585	607.9733	0.1924	608.1896	0.1978	608.4059	0.1638
607.7621	0.1760	607.9784	0.2002	608.1947	0.1774	608.4110	0.1816
607.7673	0.1916	607.9836	0.1639	608.1999	0.1979	608.4162	0.1796
607.7724	0.1406	607.9887	0.1894	608.2050	0.1894	608.4213	0.1871
607.7775	0.1710	607.9938	0.1871	608.2101	0.1880	608.4265	0.1975
607.7827	0.1509	607.9990	0.1963	608.2153	0.2180	608.4316	0.2022
607.7878	0.1656	608.0042	0.1870	608.2205	0.2289	608.4368	0.2224
607.7930	0.1838	608.0093	0.1707	608.2256	0.2317	608.4420	0.2131
607.7982	0.1773	608.0145	0.1932	608.2308	0.2135	608.4471	0.2217
607.8033	0.1797	608.0196	0.1795	608.2359	0.2015	608.4522	0.1954
607.8085	0.1868	608.0248	0.1868	608.2411	0.1703	608.4574	0.1998



Table 14. High Resolution Absorption Cross Section from 603–616 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
608.4625	0.1838	608.6788	0.1878	608.8951	0.2164	609.1115	0.2109
608.4677	0.1973	608.6840	0.2011	608.9003	0.2021	609.1166	0.2089
608.4728	0.1813	608.6891	0.1904	608.9055	0.2090	609.1218	0.2226
608.4780	0.1766	608.6943	0.1964	608.9106	0.2026	609.1269	0.1988
608.4832	0.1801	608.6995	0.1743	608.9158	0.2100	609.1321	0.1924
608.4883	0.1683	608.7046	0.1990	608.9209	0.2087	609.1372	0.1947
608.4934	0.1867	608.7098	0.1735	608.9261	0.1934	609.1424	0.2060
608.4986	0.1873	608.7149	0.1943	608.9312	0.2083	609.1475	0.2108
608.5037	0.1689	608.7200	0.1914	608.9363	0.1930	609.1526	0.2076
608.5089	0.1741	608.7252	0.1712	608.9415	0.1961	609.1578	0.1954
608.5140	0.1825	608.7303	0.1886	608.9467	0.1851	609.1630	0.2161
608.5192	0.1472	608.7355	0.1781	608.9518	0.1929	609.1682	0.2149
608.5244	0.1674	608.7407	0.2004	608.9570	0.1863	609.1733	0.2376
608.5295	0.1611	608.7458	0.2000	608.9621	0.1887	609.1784	0.2169
608.5347	0.1711	608.7510	0.1986	608.9673	0.1853	609.1836	0.2200
608.5398	0.1604	608.7561	0.1950	608.9724	0.1718	609.1887	0.2187
608.5449	0.1637	608.7612	0.2139	608.9775	0.1680	609.1938	0.2052
608.5501	0.1587	608.7664	0.2025	608.9827	0.1864	609.1990	0.2198
608.5552	0.1833	608.7715	0.2010	608.9879	0.1926	609.2042	0.2131
608.5604	0.1735	608.7767	0.2031	608.9930	0.1713	609.2094	0.1885
608.5656	0.1795	608.7819	0.2013	608.9982	0.1921	609.2145	0.1858
608.5707	0.1657	608.7870	0.1969	609.0033	0.1852	609.2196	0.1730
608.5759	0.1742	608.7922	0.1873	609.0085	0.1967	609.2248	0.1889
608.5810	0.1711	608.7973	0.1815	609.0136	0.1862	609.2299	0.1811
608.5861	0.1803	608.8024	0.1858	609.0187	0.1826	609.2350	0.1937
608.5913	0.1781	608.8076	0.1868	609.0239	0.2060	609.2402	0.1988
608.5964	0.1622	608.8127	0.1827	609.0291	0.1761	609.2454	0.1935
608.6016	0.1796	608.8179	0.2002	609.0342	0.1801	609.2505	0.1983
608.6068	0.1611	608.8231	0.1851	609.0394	0.1960	609.2557	0.2078
608.6119	0.1763	608.8282	0.1983	609.0445	0.1782	609.2608	0.1944
608.6171	0.1861	608.8334	0.1769	609.0497	0.1608	609.2660	0.2050
608.6222	0.1799	608.8385	0.1955	609.0548	0.1974	609.2711	0.2019
608.6273	0.1798	608.8436	0.1994	609.0600	0.2050	609.2763	0.2025
608.6325	0.1801	608.8488	0.1976	609.0651	0.1974	609.2814	0.1972
608.6376	0.1910	608.8539	0.2098	609.0703	0.1905	609.2866	0.1976
608.6428	0.1913	608.8591	0.2033	609.0754	0.2021	609.2917	0.2086
608.6479	0.2094	608.8643	0.1839	609.0806	0.1819	609.2969	0.1974
608.6531	0.2033	608.8694	0.1920	609.0857	0.1941	609.3020	0.1939
608.6583	0.2160	608.8746	0.1850	609.0909	0.1893	609.3072	0.2055
608.6634	0.2142	608.8797	0.1961	609.0960	0.1711	609.3123	0.2022
608.6685	0.2200	608.8849	0.2132	609.1012	0.1799	609.3175	0.1967
608.6737	0.1980	608.8900	0.2142	609.1063	0.2060	609.3226	0.2024



Table 14. High Resolution Absorption Cross Section from 603–616 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
609.3278	0.1942	609.5441	0.1889	609.7604	0.1878	609.9767	0.2086
609.3329	0.1974	609.5493	0.1800	609.7656	0.1952	609.9819	0.2015
609.3381	0.2065	609.5544	0.1853	609.7707	0.1826	609.9870	0.1985
609.3433	0.1936	609.5596	0.1903	609.7759	0.1924	609.9922	0.2021
609.3484	0.1947	609.5647	0.1825	609.7810	0.1946	609.9973	0.2087
609.3535	0.1876	609.5698	0.1892	609.7861	0.1874	610.0024	0.1921
609.3587	0.1930	609.5750	0.2013	609.7913	0.1980	610.0076	0.2164
609.3638	0.1843	609.5801	0.1951	609.7964	0.1984	610.0128	0.2168
609.3690	0.1858	609.5853	0.1615	609.8016	0.2015	610.0179	0.2191
609.3741	0.1974	609.5905	0.1842	609.8068	0.2007	610.0231	0.2279
609.3793	0.1859	609.5956	0.1856	609.8119	0.2001	610.0282	0.2373
609.3845	0.1781	609.6008	0.1741	609.8171	0.2076	610.0334	0.2317
609.3896	0.1912	609.6059	0.1721	609.8222	0.2111	610.0385	0.2281
609.3947	0.1846	609.6110	0.1875	609.8273	0.2075	610.0436	0.2255
609.3999	0.1896	609.6162	0.1993	609.8325	0.2050	610.0488	0.2231
609.4050	0.1902	609.6213	0.1940	609.8376	0.2078	610.0540	0.2006
609.4102	0.2206	609.6265	0.1916	609.8428	0.2074	610.0591	0.2181
609.4153	0.1936	609.6317	0.1933	609.8480	0.1975	610.0643	0.2181
609.4205	0.1933	609.6368	0.1832	609.8531	0.2033	610.0694	0.2018
609.4257	0.1994	609.6420	0.1786	609.8583	0.2005	610.0746	0.2064
609.4308	0.1909	609.6471	0.1918	609.8634	0.2166	610.0797	0.2093
609.4359	0.1901	609.6522	0.1617	609.8685	0.2419	610.0848	0.2033
609.4411	0.1942	609.6574	0.1852	609.8737	0.2261	610.0900	0.2059
609.4462	0.1886	609.6625	0.1690	609.8788	0.2068	610.0952	0.2037
609.4514	0.2069	609.6677	0.1852	609.8840	0.2185	610.1003	0.2182
609.4565	0.1857	609.6729	0.1854	609.8892	0.2053	610.1055	0.2101
609.4617	0.1927	609.6780	0.1763	609.8943	0.2199	610.1106	0.2072
609.4669	0.1988	609.6832	0.1941	609.8995	0.2111	610.1158	0.2106
609.4720	0.1798	609.6883	0.2006	609.9046	0.2219	610.1209	0.2178
609.4771	0.2051	609.6934	0.2013	609.9098	0.2101	610.1261	0.2239
609.4823	0.1796	609.6986	0.1983	609.9149	0.2238	610.1312	0.2190
609.4874	0.2027	609.7037	0.2030	609.9200	0.2017	610.1364	0.2213
609.4926	0.1842	609.7089	0.1830	609.9252	0.2088	610.1415	0.2230
609.4977	0.1865	609.7141	0.2166	609.9304	0.2094	610.1467	0.2216
609.5029	0.1872	609.7192	0.2271	609.9355	0.2158	610.1518	0.2059
609.5081	0.1792	609.7244	0.2345	609.9407	0.2168	610.1570	0.2121
609.5132	0.1883	609.7295	0.2168	609.9458	0.2205	610.1621	0.2225
609.5183	0.1848	609.7347	0.2046	609.9510	0.2078	610.1673	0.2172
609.5235	0.1901	609.7398	0.1932	609.9561	0.2002	610.1724	0.2078
609.5286	0.1830	609.7449	0.1941	609.9612	0.2055	610.1776	0.2117
609.5338	0.1859	609.7501	0.1860	609.9664	0.2119	610.1827	0.2138
609.5389	0.2058	609.7552	0.1873	609.9716	0.2235	610.1879	0.2070



Table 14. High Resolution Absorption Cross Section from 603–616 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
610.1931	0.2045	610.4094	0.2247	610.6257	0.2250	610.8420	0.2112
610.1982	0.2102	610.4145	0.2069	610.6308	0.2166	610.8471	0.2008
610.2033	0.2170	610.4196	0.2025	610.6359	0.2140	610.8522	0.2125
610.2085	0.2220	610.4248	0.2073	610.6411	0.2106	610.8574	0.2094
610.2136	0.2234	610.4299	0.1923	610.6462	0.2116	610.8625	0.2036
610.2188	0.2262	610.4351	0.2051	610.6514	0.2189	610.8677	0.2199
610.2239	0.2195	610.4402	0.2096	610.6566	0.2332	610.8729	0.2199
610.2291	0.2181	610.4454	0.2119	610.6617	0.2223	610.8780	0.2101
610.2343	0.2192	610.4506	0.2174	610.6669	0.2132	610.8832	0.2075
610.2394	0.2030	610.4557	0.2235	610.6720	0.2234	610.8883	0.2148
610.2445	0.2181	610.4608	0.2096	610.6771	0.2083	610.8934	0.2243
610.2497	0.2246	610.4660	0.2454	610.6823	0.2126	610.8986	0.2328
610.2548	0.2282	610.4711	0.2435	610.6874	0.2200	610.9037	0.2319
610.2599	0.2162	610.4763	0.2296	610.6926	0.2328	610.9089	0.2308
610.2651	0.2273	610.4814	0.2277	610.6978	0.2229	610.9141	0.2259
610.2703	0.2077	610.4866	0.2168	610.7029	0.2270	610.9192	0.2197
610.2755	0.2186	610.4918	0.2062	610.7081	0.2125	610.9244	0.2118
610.2806	0.2212	610.4969	0.2030	610.7132	0.1973	610.9295	0.1995
610.2857	0.2251	610.5020	0.2181	610.7183	0.2247	610.9346	0.1963
610.2909	0.2278	610.5072	0.1970	610.7235	0.2303	610.9398	0.1760
610.2960	0.2216	610.5123	0.1899	610.7286	0.2370	610.9449	0.1885
610.3012	0.2334	610.5175	0.2138	610.7338	0.2224	610.9501	0.2000
610.3063	0.2314	610.5226	0.2013	610.7390	0.2107	610.9553	0.2369
610.3115	0.2141	610.5278	0.2223	610.7441	0.2310	610.9604	0.2144
610.3167	0.2153	610.5330	0.1913	610.7493	0.2119	610.9656	0.2334
610.3218	0.2137	610.5381	0.2281	610.7544	0.2323	610.9707	0.2304
610.3269	0.2008	610.5432	0.2348	610.7596	0.2365	610.9759	0.2352
610.3321	0.1887	610.5484	0.2188	610.7647	0.2283	610.9810	0.2274
610.3372	0.2071	610.5535	0.2217	610.7698	0.2221	610.9861	0.2342
610.3424	0.2113	610.5587	0.2183	610.7750	0.2066	610.9913	0.2304
610.3475	0.2061	610.5638	0.2278	610.7802	0.1888	610.9965	0.2312
610.3527	0.2224	610.5690	0.2162	610.7853	0.1750	611.0016	0.2169
610.3578	0.2287	610.5742	0.2135	610.7905	0.1785	611.0068	0.2288
610.3630	0.2048	610.5793	0.2102	610.7956	0.2066	611.0119	0.2273
610.3681	0.2196	610.5845	0.2159	610.8008	0.2194	611.0171	0.2105
610.3733	0.2216	610.5896	0.2052	610.8059	0.2120	611.0222	0.2167
610.3784	0.2335	610.5947	0.2090	610.8110	0.2183	611.0273	0.2374
610.3836	0.2303	610.5999	0.2212	610.8162	0.1915	611.0325	0.2129
610.3887	0.2346	610.6050	0.2284	610.8214	0.1979	611.0377	0.2265
610.3939	0.2075	610.6102	0.2322	610.8265	0.2164	611.0428	0.2261
610.3990	0.2111	610.6154	0.2525	610.8317	0.2199	611.0480	0.2194
610.4042	0.2184	610.6205	0.2152	610.8368	0.1958	611.0531	0.1918



Table 14. High Resolution Absorption Cross Section from 603-616 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
611.0583	0.2301	611.2746	0.2758	611.4909	0.3187	611.7072	0.3255
611.0634	0.2286	611.2797	0.2470	611.4960	0.2869	611.7123	0.3436
611.0685	0.2027	611.2849	0.2664	611.5012	0.2923	611.7175	0.3089
611.0737	0.2105	611.2900	0.2620	611.5063	0.2694	611.7227	0.3015
611.0789	0.2098	611.2952	0.2415	611.5115	0.2630	611.7278	0.3107
611.0840	0.2236	611.3004	0.2668	611.5167	0.2695	611.7330	0.3138
611.0892	0.2124	611.3055	0.2491	611.5218	0.2907	611.7381	0.3423
611.0943	0.2276	611.3106	0.2721	611.5269	0.2837	611.7432	0.3313
611.0995	0.1958	611.3158	0.2503	611.5321	0.2839	611.7484	0.3026
611.1046	0.2187	611.3209	0.2601	611.5372	0.2585	611.7535	0.2876
611.1097	0.2178	611.3261	0.2507	611.5424	0.2863	611.7587	0.2890
611.1149	0.2235	611.3312	0.2697	611.5475	0.2690	611.7639	0.3083
611.1201	0.2312	611.3364	0.2403	611.5527	0.2687	611.7690	0.3067
611.1252	0.2368	611.3416	0.2450	611.5579	0.2723	611.7742	0.2815
611.1304	0.2599	611.3467	0.2613	611.5630	0.2676	611.7793	0.2996
611.1355	0.2522	611.3518	0.2454	611.5681	0.2878	611.7844	0.2559
611.1407	0.2262	611.3570	0.2441	611.5733	0.2544	611.7896	0.2762
611.1458	0.2426	611.3621	0.2516	611.5784	0.2484	611.7947	0.2946
611.1510	0.2338	611.3673	0.2597	611.5836	0.3078	611.7999	0.3105
611.1561	0.2352	611.3724	0.2467	611.5887	0.3171	611.8051	0.3024
611.1613	0.2340	611.3776	0.2598	611.5939	0.2974	611.8102	0.3308
611.1664	0.2308	611.3828	0.2593	611.5991	0.2961	611.8154	0.2913
611.1716	0.2459	611.3879	0.2424	611.6042	0.2573	611.8205	0.2980
611.1767	0.2441	611.3930	0.2623	611.6094	0.2728	611.8257	0.3159
611.1819	0.2348	611.3982	0.2770	611.6145	0.2743	611.8308	0.2809
611.1870	0.2406	611.4033	0.2922	611.6196	0.2947	611.8359	0.2921
611.1922	0.2258	611.4085	0.2794	611.6248	0.3104	611.8411	0.2718
611.1973	0.2426	611.4136	0.2665	611.6299	0.3133	611.8463	0.2721
611.2025	0.2234	611.4188	0.2905	611.6351	0.3304	611.8514	0.2745
611.2076	0.2350	611.4240	0.2878	611.6403	0.3274	611.8566	0.3001
611.2128	0.2482	611.4291	0.2842	611.6454	0.3475	611.8621	0.2797
611.2179	0.2323	611.4343	0.2865	611.6506	0.3522	611.8672	0.2712
611.2231	0.2307	611.4394	0.2962	611.6557	0.3538	611.8724	0.2531
611.2282	0.2331	611.4445	0.2706	611.6608	0.3379	611.8776	0.2490
611.2334	0.2429	611.4497	0.2694	611.6660	0.3327	611.8827	0.2369
611.2385	0.2460	611.4548	0.2741	611.6711	0.3115	611.8879	0.2118
611.2437	0.2445	611.4600	0.2668	611.6763	0.3205	611.8930	0.2303
611.2488	0.2600	611.4651	0.2824	611.6815	0.2932	611.8981	0.2298
611.2540	0.2621	611.4703	0.2525	611.6866	0.3034	611.9033	0.2631
611.2592	0.2746	611.4755	0.2931	611.6918	0.3173	611.9084	0.2535
611.2643	0.2684	611.4806	0.3089	611.6969	0.3130	611.9136	0.2380
611.2694	0.2650	611.4857	0.3096	611.7020	0.3603	611.9187	0.2650



Table 14. High Resolution Absorption Cross Section from 603–616 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
611.9239	0.2531	612.1400	0.2166	612.3560	0.3318	612.5721	0.2915
611.9290	0.2529	612.1451	0.2914	612.3611	0.3348	612.5772	0.2836
611.9341	0.2360	612.1502	0.2796	612.3663	0.3442	612.5824	0.2990
611.9393	0.2310	612.1554	0.2680	612.3715	0.3846	612.5875	0.2813
611.9445	0.2474	612.1605	0.3056	612.3766	0.3372	612.5927	0.2693
611.9496	0.2558	612.1656	0.2842	612.3817	0.3488	612.5978	0.2806
611.9547	0.2615	612.1708	0.2764	612.3869	0.3447	612.6030	0.2885
611.9599	0.2284	612.1760	0.3341	612.3920	0.3040	612.6081	0.2745
611.9650	0.2664	612.1811	0.3184	612.3972	0.3303	612.6132	0.2819
611.9702	0.2750	612.1862	0.3649	612.4023	0.3481	612.6184	0.3079
611.9753	0.2895	612.1914	0.3340	612.4075	0.3271	612.6235	0.2911
611.9805	0.3024	612.1965	0.2928	612.4126	0.3450	612.6287	0.2882
611.9856	0.2891	612.2017	0.2378	612.4177	0.3173	612.6338	0.2768
611.9907	0.2992	612.2068	0.2388	612.4229	0.3214	612.6390	0.2807
611.9959	0.2816	612.2120	0.2562	612.4280	0.2830	612.6441	0.2992
612.0010	0.2709	612.2171	0.2682	612.4332	0.3383	612.6492	0.2998
612.0062	0.2601	612.2222	0.2470	612.4383	0.3063	612.6544	0.3247
612.0114	0.2369	612.2274	0.2901	612.4435	0.3185	612.6595	0.3305
612.0165	0.2533	612.2325	0.2608	612.4486	0.2828	612.6647	0.3073
612.0216	0.2616	612.2377	0.2537	612.4537	0.2852	612.6698	0.2982
612.0267	0.2685	612.2429	0.3006	612.4589	0.2980	612.6750	0.2834
612.0319	0.2670	612.2480	0.2976	612.4641	0.3461	612.6801	0.2869
612.0370	0.2991	612.2531	0.2991	612.4692	0.3513	612.6852	0.2652
612.0422	0.2991	612.2582	0.2759	612.4743	0.3295	612.6904	0.2681
612.0474	0.2413	612.2634	0.2836	612.4795	0.2993	612.6956	0.2785
612.0525	0.2413	612.2686	0.2889	612.4846	0.3243	612.7007	0.2634
612.0576	0.2388	612.2737	0.2706	612.4897	0.2637	612.7058	0.3086
612.0627	0.2599	612.2789	0.2770	612.4949	0.2671	612.7110	0.3227
612.0679	0.2540	612.2840	0.2619	612.5001	0.3163	612.7161	0.3153
612.0731	0.2616	612.2891	0.2548	612.5052	0.3219	612.7213	0.3212
612.0782	0.2701	612.2943	0.2517	612.5103	0.3224	612.7264	0.3070
612.0834	0.2569	612.2994	0.2568	612.5155	0.3145	612.7316	0.3258
612.0885	0.2489	612.3046	0.2938	612.5206	0.2770	612.7367	0.3110
612.0936	0.2789	612.3097	0.2886	612.5258	0.3070	612.7418	0.3275
612.0988	0.2935	612.3149	0.3375	612.5309	0.2719	612.7470	0.3329
612.1039	0.2909	612.3200	0.3501	612.5361	0.2726	612.7521	0.3328
612.1091	0.2821	612.3251	0.3599	612.5412	0.2849	612.7573	0.3601
612.1142	0.2660	612.3303	0.3420	612.5463	0.2984	612.7625	0.3574
612.1194	0.2668	612.3354	0.3321	612.5515	0.3275	612.7676	0.3252
612.1245	0.2418	612.3406	0.3019	612.5566	0.3364	612.7727	0.3459
612.1296	0.2315	612.3457	0.3073	612.5618	0.3199	612.7778	0.3520
612.1348	0.2424	612.3509	0.3421	612.5670	0.2769	612.7830	0.3533



Table 14. High Resolution Absorption Cross Section from 603–616 nm at 573K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
612.7881	0.3261	612.8447	0.3704	612.9013	0.3301	612.9579	0.2933
612.7933	0.3421	612.8499	0.3561	612.9065	0.3186	612.9631	0.3178
612.7985	0.3271	612.8550	0.3407	612.9116	0.3014	612.9682	0.3586
612.8036	0.3492	612.8602	0.3626	612.9167	0.3658	612.9733	0.3375
612.8087	0.3341	612.8653	0.3826	612.9219	0.3154	612.9785	0.3396
612.8138	0.3331	612.8705	0.3783	612.9271	0.3780	612.9836	0.3244
612.8190	0.3367	612.8756	0.3869	612.9322	0.3736	612.9888	0.3094
612.8242	0.4112	612.8807	0.3641	612.9373	0.3673	612.9940	0.3264
612.8293	0.4409	612.8859	0.3768	612.9425	0.3494	612.9991	0.3411
612.8345	0.5059	612.8911	0.3768	612.9476	0.3220	613.0042	0.3667
612.8396	0.4411	612.8962	0.3240	612.9528	0.3040		



Table 15. High Resolution Absorption Cross Section from 603–616 nm at 673K

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
604.9983	0.4027	605.2147	0.3594	605.4312	0.3430	605.6476	0.3353
605.0035	0.3922	605.2199	0.3785	605.4363	0.3282	605.6527	0.3399
605.0086	0.3232	605.2250	0.3534	605.4415	0.3344	605.6579	0.3568
605.0138	0.3888	605.2302	0.3738	605.4466	0.3535	605.6630	0.3246
605.0189	0.3668	605.2354	0.3618	605.4518	0.3568	605.6682	0.3435
605.0240	0.3061	605.2405	0.3107	605.4569	0.3397	605.6733	0.3441
605.0292	0.3733	605.2457	0.2990	605.4621	0.3648	605.6785	0.3876
605.0344	0.3405	605.2508	0.3719	605.4672	0.3178	605.6837	0.3727
605.0396	0.3720	605.2560	0.3298	605.4724	0.3241	605.6888	0.3289
605.0447	0.3412	605.2611	0.3416	605.4775	0.3488	605.6940	0.3533
605.0499	0.3367	605.2662	0.3324	605.4827	0.3252	605.6991	0.3861
605.0550	0.3287	605.2714	0.3349	605.4879	0.3422	605.7043	0.3651
605.0601	0.3593	605.2766	0.3472	605.4930	0.3307	605.7094	0.3264
605.0653	0.4060	605.2817	0.3616	605.4982	0.3473	605.7146	0.3163
605.0704	0.3513	605.2869	0.3541	605.5033	0.3195	605.7197	0.3797
605.0756	0.3421	605.2921	0.3783	605.5085	0.3122	605.7249	0.4062
605.0807	0.3048	605.2972	0.3726	605.5136	0.3461	605.7300	0.3371
605.0859	0.3201	605.3023	0.3628	605.5187	0.3447	605.7352	0.3380
605.0911	0.3422	605.3075	0.3882	605.5239	0.3520	605.7404	0.3701
605.0962	0.3526	605.3126	0.3801	605.5291	0.3434	605.7455	0.3934
605.1014	0.3464	605.3178	0.3982	605.5342	0.3629	605.7507	0.3854
605.1065	0.3689	605.3229	0.3742	605.5394	0.3767	605.7558	0.3499
605.1117	0.3522	605.3281	0.3908	605.5446	0.3659	605.7609	0.3841
605.1168	0.3674	605.3333	0.3677	605.5497	0.3613	605.7661	0.3517
605.1220	0.3551	605.3384	0.3364	605.5548	0.3260	605.7712	0.3577
605.1271	0.3406	605.3436	0.3147	605.5600	0.3906	605.7764	0.3414
605.1323	0.3312	605.3487	0.3492	605.5651	0.3696	605.7816	0.3967
605.1375	0.3320	605.3539	0.3675	605.5703	0.3819	605.7867	0.4166
605.1426	0.3420	605.3590	0.3602	605.5754	0.3562	605.7919	0.3933
605.1478	0.3590	605.3642	0.3564	605.5806	0.3386	605.7970	0.3896
605.1529	0.3715	605.3693	0.3849	605.5858	0.3621	605.8022	0.3480
605.1581	0.3210	605.3745	0.3239	605.5909	0.3559	605.8073	0.3726
605.1632	0.3948	605.3796	0.3674	605.5961	0.3452	605.8125	0.3685
605.1683	0.3769	605.3848	0.3529	605.6012	0.3317	605.8176	0.3781
605.1735	0.3789	605.3900	0.3553	605.6064	0.3432	605.8228	0.3985
605.1786	0.3910	605.3951	0.3392	605.6115	0.3467	605.8279	0.3657
605.1838	0.3788	605.4003	0.3348	605.6166	0.3830	605.8331	0.3505
605.1890	0.4043	605.4054	0.3437	605.6218	0.3672	605.8383	0.3786
605.1941	0.3659	605.4105	0.3322	605.6270	0.3058	605.8434	0.3540
605.1993	0.3409	605.4157	0.3123	605.6321	0.3490	605.8486	0.3441
605.2044	0.3786	605.4208	0.3426	605.6373	0.3694	605.8537	0.3760
605.2096	0.3785	605.4260	0.3293	605.6425	0.3178	605.8589	0.3727



Table 15. High Resolution Absorption Cross Section from 603–616 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
605.8640	0.3354	606.0804	0.3127	606.2969	0.3463	606.5133	0.3776
605.8691	0.3608	606.0856	0.3396	606.3020	0.3556	606.5184	0.3591
605.8743	0.3561	606.0908	0.3124	606.3072	0.3844	606.5236	0.3601
605.8795	0.3643	606.0959	0.2930	606.3123	0.3781	606.5287	0.3715
605.8846	0.3644	606.1011	0.2942	606.3175	0.3517	606.5339	0.3350
605.8898	0.3032	606.1062	0.3116	606.3226	0.3556	606.5391	0.3374
605.8950	0.3055	606.1113	0.3323	606.3278	0.3505	606.5442	0.3624
605.9001	0.3298	606.1165	0.3314	606.3329	0.3476	606.5494	0.3590
605.9052	0.3670	606.1216	0.3485	606.3381	0.3721	606.5545	0.3590
605.9104	0.3233	606.1268	0.3424	606.3433	0.3829	606.5597	0.3980
605.9155	0.3506	606.1320	0.3412	606.3484	0.3593	606.5648	0.3929
605.9207	0.3112	606.1371	0.3092	606.3536	0.3471	606.5699	0.3589
605.9258	0.3438	606.1423	0.3107	606.3587	0.3754	606.5751	0.3590
605.9310	0.3370	606.1474	0.3465	606.3638	0.3775	606.5803	0.3576
605.9362	0.3530	606.1526	0.2869	606.3690	0.3599	606.5854	0.3755
605.9413	0.3320	606.1577	0.3467	606.3741	0.3785	606.5906	0.3697
605.9465	0.3269	606.1629	0.3557	606.3793	0.3114	606.5958	0.3615
605.9516	0.3209	606.1680	0.3195	606.3845	0.3478	606.6009	0.3663
605.9568	0.3407	606.1732	0.3009	606.3896	0.3623	606.6060	0.3497
605.9619	0.3477	606.1783	0.3197	606.3948	0.3406	606.6112	0.3338
605.9671	0.3309	606.1835	0.3344	606.3999	0.3361	606.6163	0.3096
605.9722	0.3302	606.1887	0.3250	606.4051	0.3375	606.6215	0.2981
605.9774	0.3227	606.1938	0.3308	606.4102	0.3471	606.6266	0.3841
605.9825	0.3621	606.1990	0.3658	606.4154	0.3442	606.6318	0.4067
605.9877	0.3192	606.2041	0.3115	606.4205	0.3459	606.6370	0.3923
605.9929	0.3111	606.2093	0.3668	606.4257	0.3302	606.6421	0.3703
605.9980	0.2673	606.2144	0.3291	606.4308	0.3742	606.6473	0.3988
606.0031	0.3114	606.2195	0.3210	606.4360	0.3377	606.6524	0.3510
606.0083	0.2854	606.2247	0.3055	606.4412	0.3208	606.6576	0.3413
606.0134	0.3379	606.2299	0.2837	606.4463	0.3510	606.6627	0.3595
606.0186	0.3251	606.2350	0.2946	606.4515	0.3226	606.6679	0.3448
606.0237	0.3505	606.2402	0.3015	606.4566	0.3613	606.6730	0.3376
606.0289	0.3651	606.2454	0.3117	606.4617	0.3142	606.6782	0.3098
606.0341	0.3546	606.2505	0.2984	606.4669	0.3299	606.6833	0.3482
606.0392	0.2658	606.2556	0.2965	606.4720	0.3498	606.6885	0.3661
606.0444	0.3374	606.2608	0.2789	606.4772	0.3159	606.6937	0.3792
606.0495	0.3575	606.2659	0.2866	606.4824	0.3303	606.6988	0.3581
606.0547	0.3689	606.2711	0.3276	606.4875	0.3330	606.7040	0.3702
606.0598	0.3305	606.2762	0.3525	606.4927	0.3762	606.7091	0.3783
606.0650	0.2907	606.2814	0.3655	606.4978	0.3438	606.7142	0.3448
606.0701	0.3145	606.2866	0.3722	606.5030	0.3732	606.7194	0.3610
606.0753	0.2938	606.2917	0.3198	606.5081	0.3679	606.7245	0.3437



Table 15. High Resolution Absorption Cross Section from 603-616 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
606.7297	0.3535	606.9462	0.3412	607.1626	0.3995	607.3804	0.3958
606.7349	0.3540	606.9513	0.3859	607.1677	0.3497	607.3855	0.3553
606.7401	0.3477	606.9564	0.3762	607.1729	0.3996	607.3906	0.3295
606.7452	0.3670	606.9616	0.3399	607.1780	0.3735	607.3958	0.3568
606.7503	0.3595	606.9667	0.3942	607.1832	0.3640	607.4009	0.3234
606.7555	0.3634	606.9719	0.3613	607.1884	0.3529	607.4061	0.3656
606.7606	0.3796	606.9771	0.4211	607.1935	0.3630	607.4112	0.3608
606.7658	0.3782	606.9822	0.4258	607.1987	0.3812	607.4163	0.3409
606.7709	0.3728	606.9874	0.3745	607.2038	0.3546	607.4215	0.3516
606.7761	0.3697	606.9925	0.4223	607.2089	0.3699	607.4266	0.3746
606.7813	0.3691	606.9977	0.3975	607.2141	0.3605	607.4318	0.3288
606.7864	0.3811	607.0028	0.3977	607.2192	0.3699	607.4370	0.3495
606.7916	0.3512	607.0080	0.3809	607.2244	0.3730	607.4421	0.3556
606.7967	0.3866	607.0131	0.3640	607.2296	0.3652	607.4472	0.3363
606.8019	0.3940	607.0183	0.3875	607.2347	0.3736	607.4523	0.3598
606.8070	0.3602	607.0234	0.3886	607.2399	0.3357	607.4575	0.3527
606.8121	0.3528	607.0286	0.4117	607.2450	0.3318	607.4626	0.3185
606.8173	0.3384	607.0338	0.3765	607.2502	0.3543	607.4678	0.3545
606.8224	0.3791	607.0389	0.3287	607.2553	0.3645	607.4729	0.3332
606.8276	0.3927	607.0441	0.3775	607.2605	0.3671	607.4781	0.3187
606.8328	0.3567	607.0492	0.3418	607.2656	0.3298	607.4832	0.3499
606.8380	0.3487	607.0544	0.3750	607.2708	0.3490	607.4883	0.3178
606.8431	0.3664	607.0595	0.4031	607.2759	0.3631	607.4935	0.3686
606.8482	0.3906	607.0646	0.3799	607.2811	0.3649	607.4987	0.3283
606.8534	0.3914	607.0698	0.3840	607.2863	0.3401	607.5038	0.3809
606.8585	0.3858	607.0750	0.3548	607.2914	0.3436	607.5089	0.3495
606.8637	0.3830	607.0801	0.3588	607.2966	0.3253	607.5140	0.3297
606.8688	0.3917	607.0853	0.3577	607.3017	0.3315	607.5192	0.3366
606.8740	0.3468	607.0905	0.3758	607.3068	0.3720	607.5244	0.3391
606.8792	0.3841	607.0956	0.3661	607.3120	0.3464	607.5295	0.3644
606.8843	0.3987	607.1007	0.3580	607.3171	0.3609	607.5347	0.3783
606.8895	0.4247	607.1059	0.3648	607.3223	0.3632	607.5398	0.3956
606.8946	0.4184	607.1110	0.3381	607.3289	0.3171	607.5449	0.3189
606.8998	0.3861	607.1162	0.3124	607.3340	0.3224	607.5500	0.3437
606.9049	0.3885	607.1213	0.3505	607.3392	0.3426	607.5552	0.3143
606.9101	0.3933	607.1265	0.3590	607.3444	0.3813	607.5604	0.3318
606.9152	0.3816	607.1317	0.3575	607.3495	0.3593	607.5655	0.3680
606.9203	0.3863	607.1368	0.3443	607.3546	0.3863	607.5706	0.3747
606.9255	0.3920	607.1420	0.3524	607.3598	0.3550	607.5758	0.3779
606.9307	0.3832	607.1471	0.3439	607.3649	0.3241	607.5809	0.3683
606.9359	0.3466	607.1523	0.3388	607.3701	0.3809	607.5861	0.3580
606.9410	0.3833	607.1574	0.3403	607.3752	0.3466	607.5912	0.3618



Table 15. High Resolution Absorption Cross Section from 603–616 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
607.5964	0.3464	607.8124	0.4039	608.0284	0.3912	608.2444	0.3657
607.6015	0.3318	607.8175	0.3703	608.0335	0.3614	608.2495	0.3855
607.6066	0.3420	607.8226	0.3855	608.0386	0.3518	608.2546	0.3588
607.6118	0.3597	607.8278	0.4038	608.0438	0.3594	608.2598	0.3646
607.6169	0.3572	607.8329	0.3798	608.0490	0.3484	608.2650	0.3473
607.6221	0.3726	607.8381	0.3649	608.0541	0.3479	608.2701	0.3577
607.6272	0.3514	607.8432	0.3788	608.0592	0.3453	608.2753	0.3761
607.6324	0.3524	607.8484	0.3785	608.0644	0.3340	608.2804	0.3799
607.6375	0.3288	607.8535	0.3666	608.0695	0.3257	608.2855	0.3799
607.6426	0.3448	607.8586	0.3954	608.0746	0.3386	608.2906	0.3655
607.6478	0.3490	607.8638	0.3875	608.0798	0.3481	608.2958	0.3959
607.6530	0.3302	607.8690	0.3706	608.0850	0.3692	608.3010	0.3889
607.6581	0.3374	607.8741	0.3842	608.0901	0.3660	608.3061	0.4063
607.6632	0.3562	607.8792	0.3474	608.0952	0.3666	608.3112	0.3694
607.6683	0.3155	607.8843	0.3412	608.1004	0.3603	608.3164	0.3642
607.6735	0.3345	607.8895	0.3670	608.1055	0.3271	608.3215	0.3997
607.6786	0.3299	607.8947	0.3436	608.1107	0.3429	608.3267	0.3677
607.6838	0.3502	607.8998	0.3574	608.1158	0.3733	608.3318	0.3503
607.6889	0.3487	607.9050	0.3606	608.1210	0.3683	608.3370	0.3608
607.6941	0.3251	607.9101	0.3750	608.1261	0.3577	608.3421	0.3780
607.6992	0.3195	607.9152	0.3907	608.1312	0.3433	608.3472	0.3779
607.7043	0.3450	607.9203	0.3935	608.1364	0.3315	608.3524	0.4036
607.7095	0.3347	607.9255	0.4088	608.1415	0.3427	608.3575	0.3758
607.7147	0.3564	607.9307	0.3704	608.1467	0.3506	608.3627	0.3761
607.7198	0.3379	607.9358	0.3834	608.1518	0.3460	608.3678	0.3632
607.7249	0.3057	607.9409	0.3778	608.1569	0.3656	608.3730	0.3574
607.7301	0.3481	607.9461	0.3899	608.1621	0.3269	608.3781	0.3932
607.7352	0.3374	607.9512	0.3319	608.1672	0.3440	608.3832	0.3877
607.7404	0.2792	607.9564	0.3769	608.1724	0.3188	608.3884	0.3603
607.7455	0.3553	607.9615	0.3986	608.1775	0.3217	608.3936	0.3666
607.7507	0.2997	607.9667	0.3984	608.1827	0.3634	608.3987	0.3624
607.7558	0.3361	607.9718	0.3938	608.1878	0.3516	608.4038	0.3525
607.7609	0.3686	607.9769	0.3669	608.1929	0.3682	608.4089	0.3542
607.7661	0.3732	607.9821	0.4181	608.1981	0.3501	608.4141	0.3653
607.7712	0.3616	607.9872	0.3893	608.2032	0.3549	608.4193	0.3385
607.7764	0.3796	607.9924	0.3854	608.2084	0.3321	608.4244	0.3471
607.7815	0.3522	607.9975	0.3447	608.2135	0.3785	608.4295	0.3490
607.7866	0.3262	608.0027	0.3246	608.2187	0.3737	608.4347	0.3849
607.7918	0.3288	608.0078	0.3605	608.2238	0.4105	608.4398	0.3721
607.7969	0.3655	608.0129	0.3436	608.2289	0.4100	608.4449	0.3799
607.8021	0.3539	608.0181	0.3578	608.2341	0.4000	608.4501	0.3934
607.8073	0.3794	608.0233	0.3670	608.2393	0.3884	608.4553	0.3690



Table 15. High Resolution Absorption Cross Section from 603–616 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
608.4604	0.3896	608.6764	0.3783	608.8924	0.4011	609.1084	0.3923
608.4655	0.3758	608.6815	0.3840	608.8975	0.4117	609.1135	0.4006
608.4707	0.3730	608.6867	0.3805	608.9027	0.3667	609.1187	0.4167
608.4758	0.3803	608.6918	0.3458	608.9078	0.3605	609.1238	0.3910
608.4810	0.3805	608.6970	0.3900	608.9130	0.3727	609.1290	0.4042
608.4861	0.3471	608.7021	0.3652	608.9181	0.3617	609.1342	0.3849
608.4913	0.3634	608.7073	0.3864	608.9233	0.3668	609.1393	0.4048
608.4964	0.3529	608.7124	0.3762	608.9284	0.3530	609.1444	0.3714
608.5015	0.3806	608.7175	0.3654	608.9335	0.3623	609.1495	0.3732
608.5067	0.3619	608.7227	0.3563	608.9387	0.3435	609.1547	0.3502
608.5118	0.3676	608.7278	0.3805	608.9438	0.3579	609.1599	0.3680
608.5170	0.3339	608.7330	0.3699	608.9490	0.3914	609.1650	0.4023
608.5221	0.3479	608.7381	0.3756	608.9541	0.4070	609.1701	0.4013
608.5272	0.3444	608.7432	0.3792	608.9593	0.3643	609.1753	0.3939
608.5324	0.3368	608.7484	0.3650	608.9644	0.3681	609.1804	0.3993
608.5375	0.3469	608.7535	0.3915	608.9695	0.3705	609.1855	0.3870
608.5427	0.3330	608.7587	0.3837	608.9747	0.3863	609.1907	0.4005
608.5478	0.3221	608.7639	0.3807	608.9799	0.3461	609.1959	0.3686
608.5530	0.3435	608.7690	0.3846	608.9850	0.3402	609.2010	0.3631
608.5581	0.3335	608.7741	0.3861	608.9901	0.3536	609.2061	0.3990
608.5632	0.3381	608.7792	0.3591	608.9952	0.3338	609.2112	0.3440
608.5684	0.3644	608.7844	0.3971	609.0004	0.3405	609.2164	0.3597
608.5735	0.3296	608.7896	0.3684	609.0056	0.3683	609.2216	0.3441
608.5787	0.3498	608.7947	0.3625	609.0107	0.3562	609.2267	0.3381
608.5838	0.3532	608.7998	0.3288	609.0158	0.3386	609.2319	0.3736
608.5890	0.3451	608.8050	0.3688	609.0210	0.3860	609.2370	0.4102
608.5941	0.3476	608.8101	0.3595	609.0261	0.3847	609.2421	0.4010
608.5992	0.3372	608.8152	0.3556	609.0313	0.3560	609.2473	0.3754
608.6044	0.3508	608.8204	0.3632	609.0364	0.3736	609.2524	0.3730
608.6096	0.3581	608.8256	0.3529	609.0416	0.3619	609.2576	0.3896
608.6147	0.3635	608.8307	0.3561	609.0467	0.3561	609.2627	0.3778
608.6198	0.3500	608.8358	0.3834	609.0518	0.3771	609.2678	0.3781
608.6249	0.3822	608.8410	0.3751	609.0570	0.3775	609.2730	0.3804
608.6301	0.3693	608.8461	0.3882	609.0621	0.3530	609.2781	0.3883
608.6353	0.3794	608.8513	0.3915	609.0673	0.3652	609.2833	0.3884
608.6404	0.3828	608.8564	0.4103	609.0724	0.3895	609.2884	0.3889
608.6455	0.3631	608.8616	0.3982	609.0776	0.3865	609.2936	0.3776
608.6507	0.4093	608.8667	0.3767	609.0827	0.3726	609.2987	0.3612
608.6558	0.3932	608.8718	0.3882	609.0878	0.3926	609.3038	0.3893
608.6609	0.3993	608.8770	0.3631	609.0930	0.3505	609.3090	0.3934
608.6661	0.3726	608.8821	0.4040	609.0981	0.3351	609.3141	0.3639
608.6713	0.3969	608.8873	0.3950	609.1033	0.3642	609.3193	0.3824



Table 15. High Resolution Absorption Cross Section from 603–616 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
609.3244	0.3762	609.5404	0.3903	609.7564	0.3386	609.9725	0.3774
609.3296	0.3636	609.5456	0.3888	609.7616	0.3611	609.9776	0.3724
609.3347	0.3898	609.5507	0.3266	609.7667	0.3649	609.9827	0.3732
609.3398	0.3984	609.5558	0.3701	609.7719	0.3611	609.9879	0.3753
609.3450	0.3906	609.5610	0.3808	609.7770	0.3786	609.9930	0.4051
609.3502	0.3412	609.5662	0.3510	609.7822	0.3667	609.9982	0.3780
609.3553	0.3362	609.5713	0.3510	609.7873	0.3638	610.0033	0.3727
609.3604	0.3780	609.5764	0.3573	609.7924	0.3868	610.0084	0.3871
609.3655	0.3885	609.5815	0.3797	609.7976	0.3391	610.0136	0.4188
609.3707	0.3697	609.5867	0.3738	609.8027	0.3654	610.0187	0.4011
609.3759	0.3664	609.5919	0.3669	609.8079	0.3511	610.0239	0.4108
609.3810	0.3461	609.5970	0.3518	609.8130	0.3717	610.0290	0.4106
609.3861	0.3415	609.6022	0.3384	609.8182	0.3618	610.0342	0.3820
609.3913	0.3938	609.6073	0.3260	609.8233	0.3748	610.0393	0.3891
609.3964	0.3602	609.6124	0.3751	609.8284	0.3750	610.0444	0.3841
609.4016	0.3443	609.6176	0.3062	609.8336	0.4093	610.0496	0.3823
609.4067	0.3343	609.6227	0.3608	609.8387	0.3626	610.0547	0.3741
609.4119	0.3629	609.6279	0.3220	609.8439	0.3653	610.0599	0.3984
609.4170	0.4047	609.6330	0.3718	609.8490	0.3708	610.0650	0.4088
609.4221	0.2859	609.6381	0.3512	609.8541	0.4119	610.0702	0.3782
609.4273	0.3803	609.6433	0.3405	609.8593	0.3938	610.0753	0.3601
609.4324	0.3744	609.6484	0.3861	609.8644	0.4023	610.0804	0.3738
609.4376	0.3636	609.6536	0.3714	609.8696	0.4376	610.0856	0.3919
609.4427	0.3774	609.6587	0.3632	609.8748	0.4070	610.0908	0.3677
609.4479	0.3888	609.6639	0.3516	609.8799	0.3963	610.0959	0.3743
609.4530	0.3854	609.6690	0.3549	609.8850	0.3703	610.1010	0.3971
609.4581	0.3456	609.6741	0.3379	609.8901	0.3644	610.1061	0.3826
609.4633	0.3517	609.6793	0.3489	609.8953	0.3936	610.1113	0.3993
609.4684	0.3470	609.6844	0.3569	609.9005	0.4054	610.1165	0.3776
609.4736	0.3443	609.6896	0.3485	609.9056	0.3966	610.1216	0.3950
609.4787	0.3508	609.6947	0.3539	609.9107	0.4098	610.1267	0.4035
609.4838	0.3336	609.6999	0.3505	609.9159	0.3682	610.1319	0.3986
609.4890	0.3467	609.7050	0.3665	609.9210	0.3554	610.1370	0.3635
609.4941	0.3524	609.7101	0.3833	609.9261	0.3608	610.1422	0.3578
609.4993	0.3502	609.7153	0.3763	609.9313	0.3752	610.1473	0.3868
609.5045	0.3805	609.7205	0.3907	609.9365	0.3948	610.1525	0.3715
609.5096	0.3571	609.7256	0.3957	609.9416	0.3880	610.1576	0.3651
609.5147	0.3334	609.7307	0.4060	609.9467	0.3871	610.1627	0.3729
609.5198	0.3599	609.7358	0.3649	609.9518	0.3735	610.1679	0.3608
609.5250	0.3679	609.7410	0.3750	609.9570	0.3716	610.1730	0.4042
609.5302	0.3668	609.7462	0.3548	609.9622	0.3988	610.1782	0.3899
609.5353	0.3616	609.7513	0.3376	609.9673	0.3478	610.1833	0.3755



Table 15. High Resolution Absorption Cross Section from 603–616 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
610.1885	0.3672	610.4045	0.3702	610.6205	0.4061	610.8365	0.3753
610.1936	0.3546	610.4096	0.3564	610.6256	0.3768	610.8416	0.3372
610.1987	0.3865	610.4147	0.3856	610.6307	0.3630	610.8467	0.3278
610.2039	0.3531	610.4199	0.3687	610.6359	0.3748	610.8519	0.3271
610.2090	0.3877	610.4250	0.3617	610.6411	0.3699	610.8571	0.3306
610.2142	0.4118	610.4302	0.3583	610.6462	0.3802	610.8622	0.3454
610.2193	0.4153	610.4353	0.3671	610.6513	0.3584	610.8673	0.3375
610.2244	0.4130	610.4405	0.3670	610.6565	0.4076	610.8725	0.3560
610.2296	0.4141	610.4456	0.3666	610.6616	0.4049	610.8776	0.3764
610.2347	0.3658	610.4507	0.3728	610.6667	0.4148	610.8828	0.3386
610.2399	0.3994	610.4559	0.3428	610.6719	0.3873	610.8879	0.3428
610.2450	0.3899	610.4611	0.3602	610.6771	0.3906	610.8931	0.3704
610.2502	0.3869	610.4662	0.3929	610.6822	0.4110	610.8982	0.3752
610.2553	0.3954	610.4713	0.3947	610.6873	0.3984	610.9033	0.3078
610.2604	0.3567	610.4764	0.3709	610.6924	0.4054	610.9085	0.4002
610.2656	0.3884	610.4816	0.4075	610.6976	0.3961	610.9136	0.3723
610.2708	0.4009	610.4868	0.3871	610.7028	0.3927	610.9188	0.4021
610.2759	0.3774	610.4919	0.4129	610.7079	0.3979	610.9239	0.3431
610.2810	0.3848	610.4970	0.3486	610.7130	0.3481	610.9291	0.3693
610.2862	0.3835	610.5022	0.3881	610.7182	0.3911	610.9342	0.3602
610.2913	0.3962	610.5073	0.4036	610.7233	0.4175	610.9393	0.3492
610.2964	0.3603	610.5125	0.3610	610.7285	0.3795	610.9445	0.3392
610.3016	0.4012	610.5176	0.3865	610.7336	0.3832	610.9496	0.3873
610.3068	0.4013	610.5228	0.3688	610.7388	0.3740	610.9548	0.3679
610.3119	0.3864	610.5279	0.3870	610.7439	0.3603	610.9599	0.3861
610.3170	0.3663	610.5330	0.3705	610.7490	0.3290	610.9650	0.3593
610.3221	0.4004	610.5382	0.3812	610.7542	0.3527	610.9702	0.3830
610.3273	0.3326	610.5433	0.3503	610.7593	0.3720	610.9753	0.3583
610.3325	0.3632	610.5485	0.3738	610.7645	0.3972	610.9805	0.3449
610.3376	0.3708	610.5536	0.3696	610.7696	0.3591	610.9856	0.3570
610.3427	0.3578	610.5588	0.3706	610.7748	0.3334	610.9908	0.3941
610.3479	0.3760	610.5639	0.3819	610.7799	0.3155	610.9959	0.3536
610.3530	0.3870	610.5690	0.3814	610.7850	0.3288	611.0010	0.3516
610.3582	0.3553	610.5742	0.4110	610.7902	0.3502	611.0062	0.3689
610.3633	0.3865	610.5793	0.4067	610.7953	0.3818	611.0114	0.3775
610.3685	0.3987	610.5845	0.3336	610.8005	0.3394	611.0165	0.3240
610.3736	0.3860	610.5896	0.3624	610.8056	0.3743	611.0216	0.3736
610.3787	0.3717	610.5947	0.3594	610.8107	0.3552	611.0268	0.3642
610.3839	0.3588	610.5999	0.3557	610.8159	0.3816	611.0319	0.3422
610.3890	0.3975	610.6050	0.3563	610.8210	0.3517	611.0370	0.3557
610.3942	0.3308	610.6102	0.3563	610.8262	0.3559	611.0422	0.3707
610.3993	0.3664	610.6153	0.3987	610.8314	0.3632	611.0474	0.3877



Table 15. High Resolution Absorption Cross Section from 603–616 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
611.0525	0.3616	611.2685	0.4036	611.4845	0.4540	611.7005	0.5204
611.0576	0.3776	611.2736	0.4143	611.4896	0.4499	611.7056	0.4942
611.0627	0.3268	611.2787	0.3864	611.4948	0.4235	611.7108	0.4794
611.0679	0.3389	611.2839	0.3888	611.4999	0.3810	611.7159	0.4539
611.0731	0.3369	611.2891	0.3977	611.5051	0.4381	611.7211	0.4828
611.0782	0.3411	611.2942	0.3863	611.5102	0.3795	611.7262	0.4669
611.0833	0.3254	611.2994	0.3888	611.5154	0.4319	611.7314	0.4719
611.0885	0.3234	611.3045	0.3808	611.5205	0.4295	611.7365	0.4697
611.0936	0.3897	611.3096	0.3937	611.5256	0.4175	611.7416	0.5060
611.0988	0.3619	611.3148	0.3704	611.5308	0.4411	611.7468	0.4120
611.1039	0.3388	611.3199	0.4050	611.5359	0.3971	611.7520	0.4093
611.1091	0.3498	611.3251	0.3924	611.5411	0.3600	611.7571	0.4096
611.1142	0.3630	611.3302	0.3665	611.5462	0.4495	611.7622	0.4057
611.1193	0.3791	611.3353	0.3765	611.5513	0.4030	611.7674	0.4023
611.1245	0.3463	611.3405	0.3780	611.5565	0.3635	611.7725	0.4486
611.1296	0.3881	611.3456	0.4191	611.5616	0.3725	611.7776	0.3967
611.1348	0.3977	611.3508	0.3316	611.5668	0.3984	611.7828	0.3882
611.1399	0.3786	611.3559	0.3875	611.5720	0.3736	611.7880	0.4434
611.1451	0.3508	611.3611	0.3563	611.5771	0.3878	611.7931	0.3821
611.1502	0.3762	611.3662	0.4013	611.5822	0.4264	611.7982	0.4346
611.1553	0.3717	611.3713	0.3916	611.5873	0.4417	611.8033	0.4607
611.1605	0.3799	611.3765	0.3859	611.5925	0.4332	611.8085	0.4280
611.1656	0.3691	611.3817	0.4395	611.5977	0.4195	611.8137	0.4528
611.1708	0.3845	611.3868	0.4618	611.6028	0.4342	611.8188	0.4401
611.1759	0.4184	611.3919	0.4542	611.6079	0.4365	611.8239	0.4092
611.1810	0.3804	611.3971	0.4820	611.6131	0.4468	611.8291	0.4462
611.1862	0.3989	611.4022	0.4475	611.6182	0.4308	611.8342	0.4103
611.1913	0.3636	611.4073	0.4180	611.6234	0.4640	611.8394	0.4089
611.1965	0.3749	611.4125	0.4618	611.6285	0.4851	611.8410	0.3810
611.2017	0.3849	611.4177	0.4313	611.6337	0.4970	611.8461	0.4326
611.2068	0.3708	611.4228	0.4424	611.6388	0.5038	611.8513	0.3699
611.2119	0.3957	611.4279	0.4361	611.6439	0.4889	611.8564	0.4368
611.2170	0.3689	611.4330	0.3945	611.6490	0.4798	611.8616	0.4422
611.2222	0.3852	611.4382	0.4584	611.6542	0.4825	611.8667	0.4110
611.2274	0.3818	611.4434	0.4491	611.6594	0.4495	611.8719	0.4022
611.2325	0.4029	611.4485	0.4279	611.6645	0.4785	611.8770	0.4089
611.2376	0.3791	611.4536	0.4559	611.6697	0.4306	611.8821	0.4105
611.2428	0.3566	611.4588	0.4007	611.6748	0.4771	611.8873	0.3764
611.2479	0.3461	611.4639	0.4361	611.6799	0.4264	611.8925	0.3622
611.2531	0.4220	611.4691	0.4367	611.6851	0.4051	611.8976	0.3969
611.2582	0.3884	611.4742	0.4366	611.6902	0.4209	611.9027	0.4470
611.2634	0.4051	611.4794	0.4670	611.6954	0.4428	611.9079	0.4310



Table 15. High Resolution Absorption Cross Section from 603-616 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>	Vacuum $\lambda$ , nm	Cross Section $10^{-19}$ cm <sup>2</sup>
611.9130	0.3421	612.1292	0.4034	612.3453	0.4519	612.5614	0.4496
611.9182	0.3774	612.1343	0.3602	612.3504	0.5029	612.5665	0.3901
611.9233	0.3744	612.1395	0.3644	612.3556	0.4907	612.5717	0.4595
611.9285	0.3702	612.1446	0.4611	612.3607	0.4297	612.5768	0.4255
611.9336	0.3849	612.1497	0.4421	612.3658	0.5146	612.5820	0.4526
611.9388	0.3617	612.1549	0.4155	612.3710	0.5569	612.5872	0.4268
611.9439	0.3713	612.1600	0.4797	612.3762	0.5103	612.5923	0.3532
611.9490	0.4129	612.1652	0.4233	612.3813	0.4824	612.5974	0.4073
611.9542	0.4216	612.1703	0.4651	612.3865	0.5042	612.6026	0.4325
611.9594	0.3642	612.1755	0.4620	612.3916	0.3978	612.6077	0.3950
611.9645	0.3952	612.1806	0.5112	612.3967	0.4348	612.6129	0.3981
611.9696	0.4079	612.1857	0.5039	612.4019	0.4756	612.6180	0.4086
611.9748	0.4362	612.1909	0.5134	612.4070	0.4688	612.6232	0.4390
611.9799	0.4362	612.1960	0.4502	612.4122	0.4910	612.6283	0.4157
611.9850	0.4774	612.2012	0.3400	612.4173	0.4715	612.6334	0.4370
611.9902	0.4333	612.2064	0.3760	612.4225	0.4546	612.6386	0.3972
611.9954	0.4651	612.2115	0.4157	612.4276	0.4113	612.6437	0.4409
612.0005	0.4222	612.2166	0.4173	612.4327	0.4849	612.6489	0.4493
612.0057	0.3859	612.2218	0.4158	612.4379	0.4286	612.6541	0.4868
612.0108	0.3276	612.2269	0.4804	612.4431	0.4530	612.6592	0.5028
612.0159	0.3976	612.2321	0.3803	612.4482	0.3998	612.6643	0.4883
612.0211	0.4090	612.2372	0.3783	612.4534	0.4635	612.6695	0.4177
612.0262	0.4487	612.2424	0.4378	612.4585	0.4623	612.6746	0.4017
612.0314	0.3652	612.2475	0.4175	612.4636	0.5536	612.6797	0.4090
612.0365	0.4698	612.2527	0.3967	612.4688	0.4677	612.6849	0.3888
612.0417	0.4191	612.2578	0.4035	612.4739	0.4948	612.6901	0.4229
612.0468	0.3912	612.2629	0.3804	612.4791	0.4406	612.6952	0.4010
612.0519	0.3671	612.2681	0.4726	612.4842	0.5367	612.7004	0.3169
612.0571	0.3446	612.2733	0.4427	612.4894	0.4010	612.7055	0.5087
612.0623	0.4256	612.2784	0.4084	612.4945	0.3654	612.7106	0.4614
612.0674	0.3665	612.2835	0.3881	612.4996	0.4623	612.7158	0.3999
612.0726	0.4185	612.2887	0.4131	612.5048	0.4527	612.7209	0.4615
612.0777	0.3926	612.2938	0.3491	612.5099	0.4894	612.7261	0.4050
612.0828	0.4338	612.2990	0.3533	612.5151	0.5177	612.7312	0.4557
612.0880	0.3859	612.3041	0.4411	612.5203	0.4078	612.7364	0.4480
612.0931	0.4375	612.3093	0.4114	612.5254	0.4710	612.7415	0.4947
612.0983	0.4652	612.3144	0.4930	612.5305	0.3789	612.7466	0.4573
612.1035	0.3624	612.3196	0.5326	612.5357	0.4028	612.7518	0.4179
612.1086	0.4012	612.3247	0.4809	612.5408	0.4229	612.7570	0.4722
612.1137	0.3711	612.3298	0.4664	612.5460	0.4279	612.7621	0.4814
612.1188	0.3563	612.3350	0.4595	612.5511	0.4810	612.7673	0.4364
612.1240	0.3712	612.3401	0.4706	612.5563	0.4708	612.7724	0.4567



Table 15. High Resolution Absorption Cross Section from 603–616 nm at 673K (cont'd)

Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$	Vacuum $\lambda$ , nm	Cross Section $10^{-19} \text{ cm}^2$
612.7775	0.5045	612.8393	0.5658	612.8959	0.4668	612.9525	0.4696
612.7827	0.4684	612.8444	0.5381	612.9011	0.4448	612.9576	0.3386
612.7878	0.4223	612.8496	0.4563	612.9062	0.4495	612.9628	0.3964
612.7930	0.4501	612.8547	0.4920	612.9113	0.4901	612.9680	0.4617
612.7981	0.4671	612.8599	0.4855	612.9165	0.4567	612.9731	0.4949
612.8033	0.4562	612.8650	0.5332	612.9216	0.4638	612.9782	0.5022
612.8084	0.4582	612.8702	0.4480	612.9268	0.4549	612.9834	0.4870
612.8135	0.4606	612.8753	0.5338	612.9319	0.5664	612.9885	0.4275
612.8187	0.4755	612.8804	0.4893	612.9371	0.5607	612.9937	0.4574
612.8239	0.5617	612.8856	0.5673	612.9422	0.5470	612.9988	0.4523
612.8290	0.5644	612.8907	0.5253	612.9473	0.4910	613.0040	0.5172
612.8342	0.6344						